THE NEW YORK City Record

FOR 1886

F. W. DEVOE & CO.,

(ESTABLISHED 1852.)

OFFICES: Fulton St., cor. William, New York,

MANUFACTURERS OF

PURE COLORS,
FINE VARNISHES,
PURE MIXED PAINTS,
ARTISTS' MATERIALS,
FINE BRUSHES,
DRAUGHTSMEN'S SUPPLIES.

KELLY & JONES CO.,

Manufacturers of

Heating Apparatus.

HEATING and VENTILATING ENGINEERS.

RADIATORS,

SECTIONAL BOILERS, IRON PIPE and FITTINGS.

OFFICES: { 75 John Street, New York.
141 First Avenue, Pittsburg, Pa.

WORKS:

Erie and Eleventh Streets, Jersey City.

AVERY
DURST.

Warranted superior to any brand of Rosendale cement manufactured, for use under or out of water. Especially adapted where tensile and compressive tests are required. Is largely used in hydraulic, sewerage, bridge and concrete work throughout the country. Over 80,000 barrels of this cement were used on the New York and Brooklyn Bridge and its approaches, which, according to the report of the engineer in charge "was always found fully up to the specifications required, and in many instances far exceeding them." Please send for pamphlet on tests and testimonials showing superior quality of our Cement.

BLUE STONE.

WM. A. SWEENEY. JAMES J. SWEENEY.

E. SWEENEY & SONS,

WHOLESALE DEALERS IN

North River Blue Stone.

General Office:

229 BROADWAY, NEW YORK,

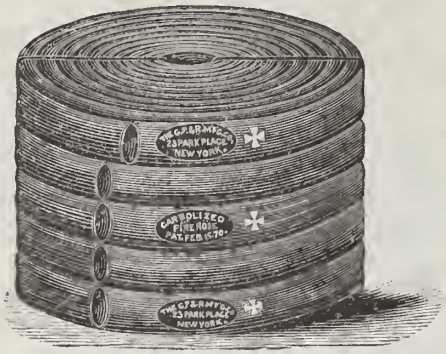
Opposite General Post Office.

Depots: { WILBUR, - - - Ulster County, N. Y.
SAUGERTIES, - Ulster County, N. Y.

Daniel D. Wright,
No. 463 East Houston Street,
NEW YORK.

6.86 = ES

THE GUTTA PERCHA AND RUBBER MANUFACTURING CO.



Manufacturers of the Celebrated Maltese Cross Brand.

CARBOLIZED RUBBER FIRE HOSE.

OVER THREE MILLION FEET SOLD SINCE 1870.

Sole Agents for the

BAKER FABRIC RUBBER LINED COTTON FIRE HOSE.

The Strongest and Most Durable Cotton Fire Hose in the World.

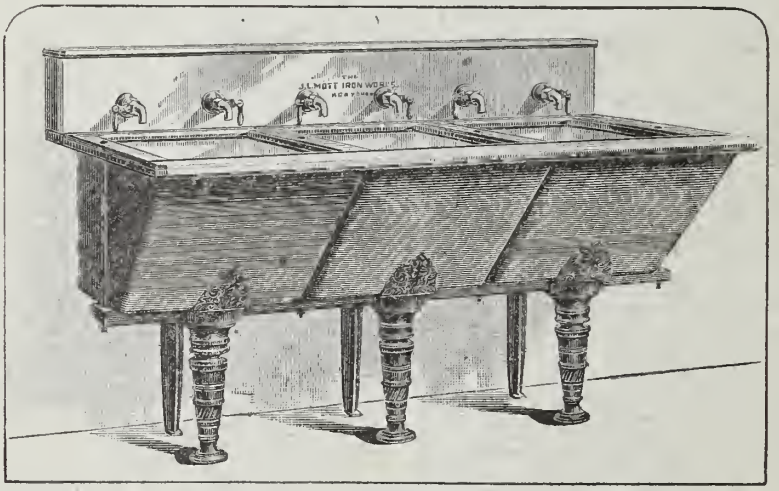
SEND FOR SAMPLES AND PRICES.

WAREROOMS: New York, Chicago, San Francisco, Toronto and Portland, Oregon.
FACTORIES: Brooklyn, N. Y., Toronto, Canada, San Francisco, California.

THE J. L. MOTT IRON WORKS,

88 and 90 Beekman Street, and 147 West 35th Street, N. Y. City.

"IMPERIAL" PORCELAIN WASH TUBS.



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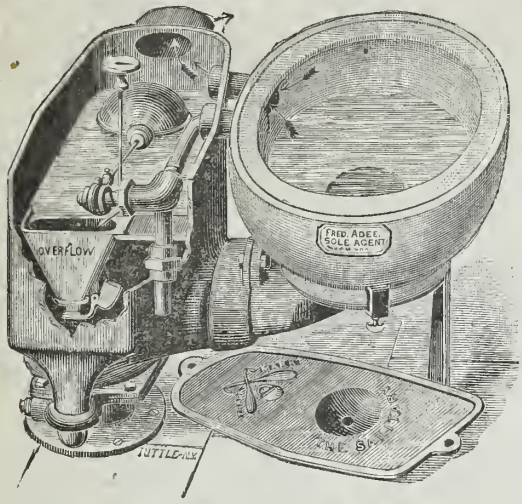
PRICES:

	Firsts.	Seconds.
Set of Three Tubs, including Patent Galvanized Iron Standards, and Ash Top only. - - - - - - - - -	*$82.50*	*$60.00*

NOTE.—The "Seconds" in these Tubs are excellent value, but the supply being limited, we cannot guarantee to have them always in stock.

ZANE & CO.'S PATENT,



"The Sanitary"

WATER CLOSET

With Offset or Straight Outlet. With Painted or Enameled Reservoir.

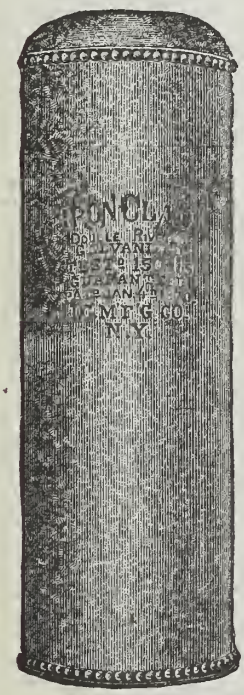
STRAIGHT OUTLET.

The Best Water Closet in every respect that has ever been produced.

Parties seeking a PERFECT Water Closet should see and understand *"The Sanitary,"* and not be influenced by the criticisms of competitors. You are cordially invited to call and see it in operation.

FRED ADEE & CO., 52 Cliff Street, N. Y.

STEEL HEAD.



STEEL BOTTOM.

—THE—

"IRON-CLAD"

DOUBLE-RIVETED

RANGE BOILERS,

GALVANIZED.

28 different sizes, ranging from 18 to 192 gallons.

"AS GOOD AS THE BEST AND AS CHEAP AS THE CHEAPEST."

As we manufacture all the parts, do our own galvanizing, and all other work pertaining to them at our own Works, we are able to compete with any article of the kind now in the market.

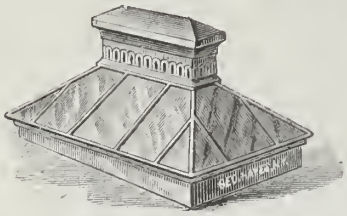
EVERY BOILER GUARANTEED TO STAND DOUBLE THE PRESSURE EVER REQUIRED IN THE USE FOR WHICH THEY ARE INTENDED.

For sale by all Jobbers in the United States and Canada.

IRON CLAD MANUFACTURING CO.,

22 Cliff Street, New York.

THE HAYES METALLIC SKYLIGHTS.



Established by GEO. HAYES, 1868.

THE HAYES METALLIC BLINDS

ONE OF THE MOST IMPORTANT INVENTIONS OF THE AGE.

71 Eighth Avenue, NEW YORK.

ROLLHAUS' KNICKERBOCKER RANGES

FURNACES

AND

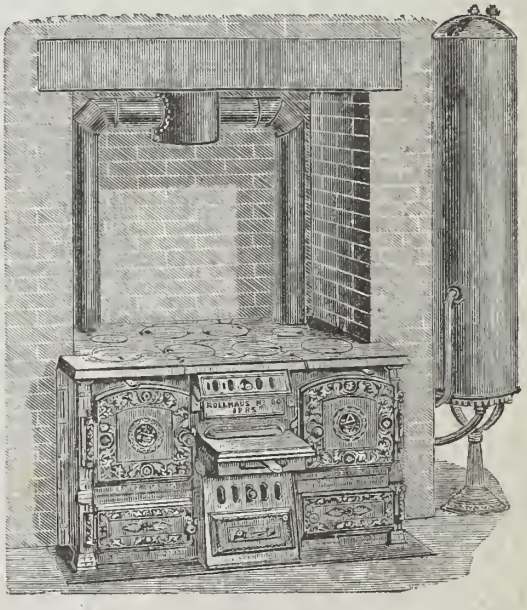
FIRE-PLACE HEATERS.

THE

NEW RANGE

"ROLLHAUS"

in three sizes, is the finest Range, both in construction and convenient detail of arrangement ever offered. It should be seen in practical working at our warerooms.



JAMES G. LYON, 248 Water Street, N. Y.

WALL PAPER.

ARTISTIC
WALL AND CEILING
DECORATIONS

Now on exhibition at our Fifth Avenue Retail Branch (cor. of 30th Street) The most extensive display of Wall and Ceiling Paper Decorations that has ever been submitted to the public of New York. It includes not only our own new line of Wall Papers, but carefully selected specimens of the most esteemed manufactures of Foreign Nations.

Estimates for interior decorations promptly furnished, including Fresco work of a high order. The highest Artistic effects guaranteed within the limit of judicious expenditure.

All Wall Papers guaranteed absolutely free from arsenic.

Every roll of Wall Paper is stamped with the above trade mark.

Gold Medal, London Health Exhibition, 1884.

Lincrusta Walton

Protected by Patents.

The most beautiful of all

Interior Decorations.

The material indestructible, Waterproof, and having great Sanitary characteristics. Designs all in relief.

OVER 100 NEW DESIGNS,

IN ALL STYLES INCLUDING

Renaissance, Egyptian, Moorish, Celtic, Florentine, Japanese, Greek, Byzantine, Eastlake, Mediæval, Modern, etc.

Sold by the Yard in Rolls, and as easy to hang as a wall paper.

Can be purchased suitable for Hangings, Wainscotings, Dadoes, Friezes, Borders, Ceiling Centers, Corners, Panels, Plaques and Medallions.

Send for Descriptive Pamphlet.

FR. BECK & CO.,

Manufacturers, Exporters and Importers of

FINE WALL PAPERS.

5th Avenue, Cor. 30th Street, *7th Avenue, cor. 29th Street,*

NEW YORK.

☞ Messrs. FR. BECK & CO. are the only manufacturers of Lincrusta-Walton in the United States.

STEWART CERAMIC COMPANY,

312 PEARL STREET,

Corner Peck Slip, **NEW YORK.**

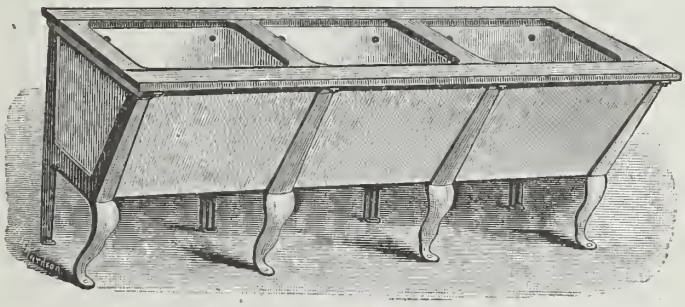
Only Manufacturers in the World of the

MORAHAN SOLID WHITE CROCKERY STATIONARY WASH TUBS.

The only Perfect Sanitary Tubs in existence.

Perfectly Glazed Smooth Surfaces.

Absolute Cleanliness Secured without Labor.



Cannot Leak. Very Strong.

Cannot absorb filthy Wash Water.

Cut shows three Tubs set up on Galvanized Iron Stands with heavy, well-seasoned ash frame on top. Any number of Tubs may be used on the same plan.

Not affected by Heat or Cold, and are warranted by us for 30 years against injury (violence excepted) and we might say as long as the house will last.

SOLID WHITE CROCKERY SINKS.

Made of the same material as the Tubs. Possessing Strength, Durability, Smoothness of Surface. No Labor required to keep always clean.

Send for Price-Lists and Illustrations.

THE BRADLEY & CURRIER CO.,

(LIMITED,)

MANUFACTURERS OF AND DEALERS IN

DOORS, WINDOWS, BLINDS,

Stair Rails, Newels, Balusters, Frames, Mouldings, Glass,

GRATES, CRESTINGS and FINIALS. MARBLE, SLATE and WOOD MANTELS.

Cor. Hudson and Spring Sts., New York.

SEND FOR PRICE LIST.

TRADE ULESOTE MARK

"ULESOTE" PAINT

Nothing equals it for preserving iron, or resisting the effects of salt air. In all desirable colors for general use, and endorsed by the leading architects. Send for Sample Color Card and Testimonials.

H. F. TAINTOR, Sole Manufacturer, 281 Pearl St., New York.

—THE—

NEW YORK CITY RECORD

FOR THE YEAR 1886

CONTAINING

A COMPLETE LIST OF THE DIFFERENT DEPARTMENTS OF THE CITY GOVERNMENT, ITS BUREAUS AND BRANCHES; WITH THE NAMES, RESIDENCES, POSITIONS AND SALARIES OF ALL EMPLOYEES.

ALSO,

THE LAWS, RULES AND REGULATIONS GOVERNING THE ERECTION AND ALTERATION OF BUILDINGS, INCLUDING THE NEW BUILDING LAWS ADOPTED BY THE LEGISLATURE OF 1885, FOR THE CITY AND COUNTY OF NEW YORK.

Arranged and Published by

THE NEW YORK CITY RECORD PUBLISHING CO.

NEW YORK CITY RECORD PUBLISHING CO.,
Publishers and Printers,
26 CHURCH STREET, NEW YORK.

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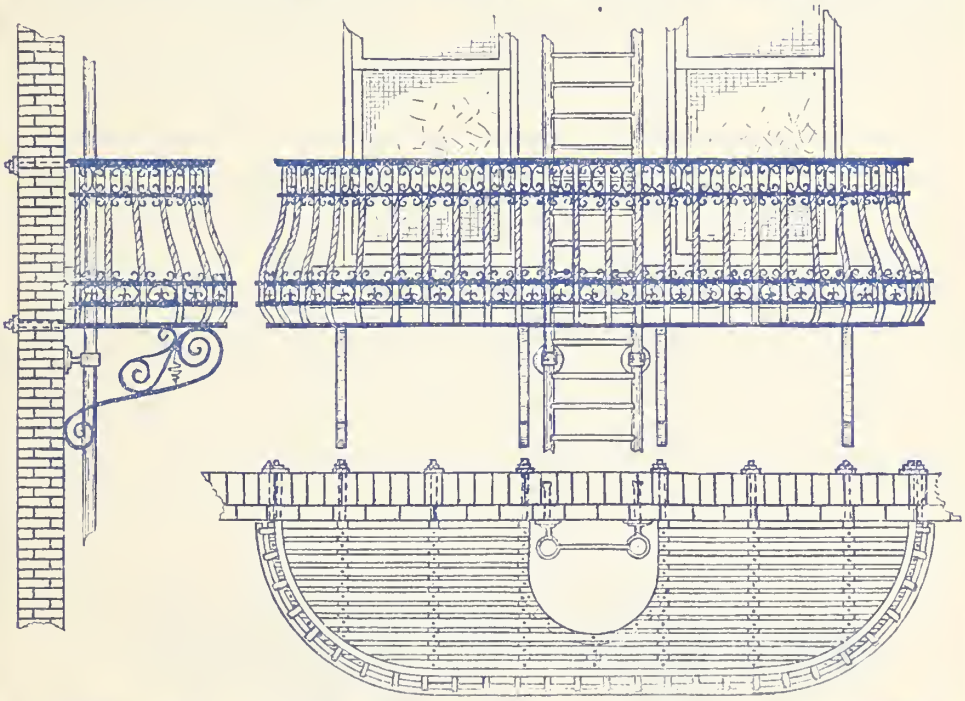
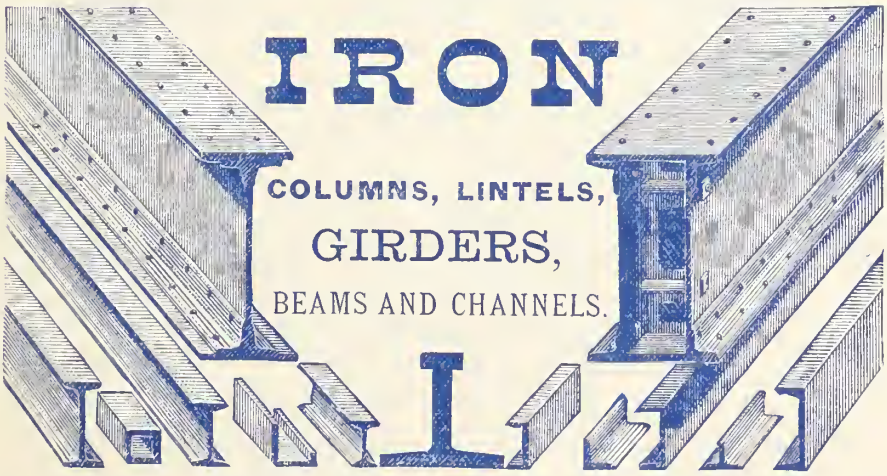
Art Metal Work,

ALSO

FIRE ESCAPES, ORNAMENTAL and PLAIN





141 CENTRE STREET, - - - - NEW YORK.

H. T. CASWELL, Pres't. A. BIGELOW KELLOGG, Gen'l Manager. H. BOGARDUS, Sec'y.

THE BIGELOW

BLUE STONE COMPANY,

Miners, Manufacturers,

AND

Wholesale Dealers in all kinds of

NORTH RIVER and PENNSYLVANIA

BLUE STONE,

MALDEN, ULSTER CO., N. Y.

No. 285 Broadway,

NEW YORK CITY.

Telephone Call, Murray 396.

INTRODUCTORY.

IN PRESENTING the second edition of the New York City Record to the public, and to the trades comprised in the construction and furnishing of material for building purposes, the publishers take the liberty of directing the attention of those engaged in building interests, real-estate property owners, and especially of advertisers, to the increased advantages to be derived from this volume.

The collection of administrative facts embraces every department of our city government, with the name, residence, position, and salary of every officer and subordinate, together with those of the judges, clerks, and attendants of the several courts held therein.

This work has been compiled from official sources with more than ordinary discrimination and care, insuring unimpeachable accuracy; hence its reliability can be vouched for.

It also contains all the laws, rules, and regulations of the several departments governing the erection and alteration of buildings,—namely, the Department of Public Works, Health Department, and the Bureau of Inspection of Buildings, under control of the Fire Department, with the New Building Laws passed by the Legislature, June 9, 1885.

Every taxpayer, merchant, architect, mechanic, builder, mason, carpenter, plumber, and the business public in general, are constantly seeking information in regard to the municipal departments of our city government, often entailing annoyance and confusion, which a simple reference to the New York City Record would inevitably avoid.

As an advertising medium the New York City Record offers superior advantages to the trade. Being constantly referred to for its official character, and the only book of its kind published in New York City, the business cards of advertisers, owing to the manner in which they are placed in the book, are constantly before the eye of the reader. Advertisers should bear this in mind.

NEW YORK CITY RECORD PUBLISHING CO.,

Publishers.

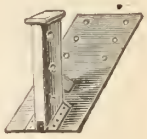
ESTABLISHED 1832.

M. HALLIDAY,

Proprietor and Manufacturer of

DUGAN'S

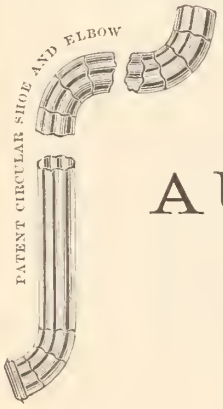
Patent Snow Guards,



TIN AND SLATE ROOFING,

COPPER AND GALVANIZED IRON

Cornices, Gutters and Mouldings of all kinds.



AGENT FOR

AUSTIN'S PATENT

Expanding Leader.

TIN AND SLATE ROOFS

Repaired and Painted in the Best Manner at Short Notice.

ORDERS BY MAIL WILL RECEIVE PROMPT ATTENTION.

M. HALLIDAY, 218 East 9th Street,

Between Second and Third Aves.

OFFICERS AND SUBORDINATES

IN THE DEPARTMENTS OF THE

CITY AND COUNTY GOVERNMENT,

WITH THEIR

SALARIES AND RESIDENCES.

TOGETHER WITH THE JUDGES, CLERKS AND ATTENDANTS OF THE SEVERAL COURTS HELD THEREIN.

EXECUTIVE DEPARTMENT.

Mayor's Office.

No. 6 City Hall, 10 A.M. to 3 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
WILLIAM R. GRACE	Mayor	31 East 38th street	$10,000 00
William L. Turner	Chief Clerk	244 East 86th street	2,500 00
Charles G. Crocker	Clerk	612 Lexington avenue	1,500 00
Michael W. Brown	Messenger	443 East 23d street	1,000 00

Mayor's Marshal's Office.

No. 1 City Hall, 9 A.M. to 4 P.M.

Thomas W. Byrnes	First Marshal	665 Second avenue	$2,500 00
George W. Brown, Jr.	Second Marshal	1469 Park avenue	1,500 00
Jeremiah O'Brien	Clerk	79 Oliver street	1,000 00
Joseph W. Lamb	"	213 West 25th street	1,000 00

Bureau of Permits.

No. 13 City Hall, 9 A.M. to 4 P.M.

Henry Wood	Registrar	257 West 128th street	$2,500 00
David S. White	Clerk	363 East 71st street	1,500 00
Philippe N. Gaulon	"	45 Barrow street	1,100 00
Charles M. Roth	"	331 West 24th street	950 00
Patrick Ryan	"	1153 Second avenue	950 00
James P. Burns	Inspector	3 State street	900 00
Bernard Neis	"	173 Varick street	900 00
John Bergen	"	339 West 54th street	900 00
Cornelius W. Campbell	Temporary Inspector	134 West 15th street	900 00

LEGISLATIVE DEPARTMENT.

Common Council.

No. 8 City Hall, 10 A.M. to 4 P.M.

Assem-bly Dist.	Name.	Position.	Residence.	Salary.
	Robert B. Nooney..	President Board of Aldermen.....	112 East 26th street..	$3,000 00
14	Charles Bennett.....	Alderman	551 East 12th street..	2,000 00
9	John Cavanagh.....	"	41 Sixth avenue.....	2,000 00
1	Thomas Cleary.....	"	120 Broadway.....	2,000 00
15	James J. Corcoran...	"	242 West 33d street...	2,000 00
13	James A. Cowie.....	"	140 Ninth avenue	2,000 00
12	Robert E. De Lacy...	"	747 5th street.....	2,000 00
2	Patrick Divver.....	"	7 Madison street.....	2,000 00
21	Eugene M. Earle	"	56 East 69th street...	2,000 00
18	Hugh F. Farrell.....	"	307 East 37th street..	2,000 00
23	Patrick F. Ferrigan..	"	165 East 116th street.	2,000 00
20	James E. Fitzgerald..	"	342 East 53d street...	2,000 00
10	Jacob Hunsicker.....	"	211 East 4th street. ..	2,000 00
5	Henry W. Jaehne....	"	43 Vandam street	2,000 00
8	Robert Lang.....	"	76 Forsyth street.....	2,000 00
19	Peter B. Masterson...	"	302 West 58th street..	2,000 00
6	Gustave Menninger...	"	80 Sheriff street.....	2,000 00
24	James J. Mooney.....	"	176 Willis avenue.....	2,000 00
7	Bankson T. Morgan..	"	17 West 10th street...	2,000 00
16	Joseph Murray.....	"	652 East 16th street..	2,000 00
3	John O'Neil.....	"	233 Centre street.....	2,000 00
17	John Quinn	"	559 West 51st street..	2,000 00
4	John J. Ryan.....	"	69 East Broadway....	2,000 00
22	Matthew Smith.....	"	1064 Third avenue....	2,000 00
11	James T. Van Rens selaer.....	"	57 West 37th street...	2,000 00
	Francis J. Twomey...	Clerk of Com. Council	576 East 154th street.	4,000 00
	Richard E. Mott.....	First Assistant Clerk..	307 West 47th street..	2,000 00
	William H. Moloney .	Gen'l Clerk & Reader.	450 Lexington avenue.	1,500 00
	Albert C. Wiegand...	Asst. Recording Clerk.	269 East 10th street..	1,000 00
	Michael McCusker...	Index Clerk.....	499 Tenth avenue....	1,000 00
	James V. Johnson...	Second Asst. Clerk....	Tenth ave. & 157th st.	1,000 00
	Thomas F. Byrne....	Sergeant-at-Arms.....	546 East 140th street..	1,000 00

FINANCE DEPARTMENT.

Office of the Comptroller.

No. 15 Stewart Building, Chambers Street and Broadway, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
EDWARD V. LOEW.....	Comptroller.....	25 West 57th street...	$10,000 00
Richard A. Storrs.....	Deputy Comptroller..	115 Lexington avenue	6,000 00
Osborne Macdaniel.....	Assistant	328 West 57th street..	4,000 00
Henry J. Storrs.....	Chief Clerk.....	36 East 30th street...	2,750 00
Reeves E. Selmes.....	Law Clerk.....	210 St. Mark's avenue, Brooklyn..... ...	2,000 00
E. Grant Marsh	Contract Clerk	262 Madison street Brooklyn.....	1,500 00
Edward O'H. Jervois....	Engrossing Clerk .	158 East 26th street..	1,200 00
Isaac S. Barrett.....	General Bookkeeper..	Orange, N. J.....	3,500 00
Joseph Haag	1st Asst. Bookkeeper.	447 East 84th street..	1,800 00
George P. Williams.....	2d " .	175 West 45th street .	1,800 00
Charles H. Stocking....	4th " .	Montclair, N. J.....	1,250 00
Jonathan D. Harris.....	Bookkeeper's Clerk..	22 Smith st., Brooklyn	1,250 00
Julius C. Lulley.....	" ..	287 Fifth avenue.....	1,250 00
J. M. C. Frolich.....	" ..	125 East 17th street..	1,250 00
Albert Storer.....	" ..	9 East 32d street.....	1,200 00
Alfred J. Dickerson.....	Recording Clerk.....	274 President street, Brooklyn.....	1,400 00
Andrew Eadie.....	"	209 Grand ave., Bk'lyn	1,400 00
Eugene E. McLean.	Eng'r and R'l Est. Cl'k	20 Union Square.....	2,400 00
Wakeman H. Dikeman..	Stock and Bond Clerk	132 East 47th street..	3,000 00
James J. Sullivan.....	Ass't St'k and B'd Cl'k	20 Vandam street....	1,600 00
William S. Rockwell....	Coupon Clerk.....	166 East 116th street.	1,200 00
Oliver C. Gardiner.....	Engrossing Clerk....	Boston ave. & 166th st	1,200 00
Edwin C. Clarke.....	Keep'r of Record Rm.	306 West 127th street.	1,400 00
Patrick Mallon.....	Doorkeeper.....	237 Henry street.....	900 00
Edward McGowan..	Janitor.....	262 East Broadway ...	1,000 00
John Fitzgerald.....	Watchman.....	204 East 26th street. .	800 00

Auditing Bureau.

Nos. 19, 21, 23 Stewart Building, Chambers Street and Broadway, 9 A.M. to 4 P.M.

William J. Lyon.....	Auditor of Accounts..	357 West 82d street..	$3,500 00
David E. Austen.....	Deputy Aud. of Ac'ts.	Hunt's Pt., 23d Ward	2,500 00
James L. Raymond.....	Examiner of Coupons and General Clerk..	36 East 22d street....	1,500 00
Stephen Angell.....	Examiner of Claims..	139 West 49th street..	2,250 00
Amos Dodge.....	" ..	306 West 14th street .	2,000 00
D. A. Schierenbeek	" ..	Fanwood, N. J.....	2,000 00
Frederick J. Brettman..	Examiner's Clerk....	440 Hudson street....	1,400 00
Edwin Wilson.....	"	130 East 16th street..	1,300 00
Arthur L. Brigham.....	"	78 East 77th street...	1,300 00
John F. Gouldsbury	Registrar of Claims...	173 Lexington avenue	1,600 00
William L. Oakley.....	Ass't Regis'r of Claims	408 West 126th street.	1,300 00
Michael Meehan.....	Warrant Clerk.....	2225 Fourth avenue..	1,400 00
John P. Corish.....	Ass't Warrant Clerk..	309 East 114th street.	1,000 00
Charles A. Clark.....	Disbursing Clerk	108 East 91st street..	2,200 00

FINANCE DEPARTMENT—Auditing Bureau—*Continued.*

NAME.	POSITION.	RESIDENCE.	SALARY.
George Y. Whitson.....	Ass't Disbursing Cl'k.	216 East 70th street..	$1,300 00
Thomas J. McNamara..	Check and Gen'l Clerk	633 East 143d street..	1,200 00
Moor Falls.....	City Paymaster.....	New Brighton, S. I..	3,300 00
Christian Classen.....	Paymaster's 1st Clerk.	257 East 77th street..	1,500 00
David J. Van Winkle...	" 2d " .	430 Tompkins avenue, Brooklyn.....	1,400 00
Thomas S. Prior.....	" 3d " .	343 West 50th street..	1,300 00
Eugene Conkling.....	" 4th " .	161 East 62d street...	1,200 00
Jacob B. Bacon.....	Inspector.....	484 Willis avenue....	1,100 00
Wm. S. Corwin	Examiner of Provis'ns	....	1,200 00

Bureau for the Collection of Assessments, and Arrears of Taxes and Assessments, and of Water Rents.

Nos. 31, 33, 35, 37, 39 Stewart Building, Chambers Street and Broadway, 9 A.M. to 4 P.M.

Artemas S. Cady.....	Col'tor of Assessments and Cl'k of Arrears.	645 Fourth avenue...	$3,500 00
Charles P. Chipp.....	Bookkeeper.....	257 West 128th street.	1,800 00
Daniel J. Scully.....	Assistant Bookkeeper.	36 Vandewater street.	1,300 00
Charles Faas.....	Cashier.....	270 West 129th street.	1,300 00
Edward Mimnaugh.....	Interest Clerk.....	321 East 59th street..	1,200 00
Edmund G. Walker.....	Assistant Int. Clerk..	68 East 109th street..	1,000 00
Michael F. Burke.....	Redemption Clerk....	96 Henry street.....	1,300 00
Frank A. O'Donnel.....	Assessment Clerk.....	229 East 116th street.	1,400 00
Timothy Daly.....	Recording Clerk.....	323 East 86th street..	1,200 00
William L. Mott.....	"	322 East 121st street..	1,200 00
Edward J. Montague....	"	192 Seventh avenue..	1,200 00
Abram R. Merlette.....	Examining Clerk.....	326 West 15th street..	1,250 00
William O'Connell.....	First Bill Clerk.....	333 East 6th street...	1,400 00
Clifford E. Kitchell.....	Bill Clerk.....	114 West 44th street..	1,200 00
Frederick A. Levien	"	Ridgewood, N. J.....	1,200 00
James W. Dikeman.....	"	2410 Second avenue..	1,200 00
Robert J. Quinlan.....	"	36 Vandewater street.	1,200 00
Emanuel Lowenstein....	Special & Temp'y Ser.	305 West 29th street..	1,200 00
Thomas E. Burns.....	Ass't Apportion't Cl'k	140 East 83d street...	600 00

Bureau for the Collection of Taxes.

First floor, Brown-stone Building, City Hall Park.

Geo. W. McLean.....	Receiver of Taxes....		$4,000 00
Alfred Vredenburgh....	Deputy Receiver.....	Bergen Point, N. J...	3,250 00
Ira B. Betts.....	Cashier.....	5 Pleasant avenue....	2,000 00
Ansel E. Parkhurst.....	Assistant Cashier	Plainfield, N. J.....	1,300 00
Thomas C. Smith.....	Clerk to Cashier.....	126 East 22d street...	1,200 00
Benjamin Drake.....	Interest Clerk.....	451 West 71st street..	1,400 00
Michael T. Daly.....	Ass't Interest Clerk..	188 Lexington avenue	1,400 00
Isaac Evans.....	Adjustment Clerk....	25 East 11th street...	1,600 00
Louis N. Hart.....	Recording Clerk.....	96 Clinton place.....	1,300 00
Charles A. Bruning.....	Bill Clerk.....	334 East 82d street...	1,200 00
Charles Fowler.....	"	Jersey City Heights...	1,200 00
Thomas P. McEvoy.....	"	356 Ninth avenue....	1,200 00
George H. Briggs.....	"	Canal & Elizabeth sts.	1,200 00
Charles W. Welsh	"	12 West 13th street...	1,200 00

NOTABLE AND SIGNIFICANT ITEMS

FROM THE

FORTY-FIRST ANNUAL REPORT

OF THE

New-York Life Insurance Co.

A total income of over sixteen million one hundred thousand dollars, and payments to policy-holders of nearly eight million dollars.

Interest income, over three million dollars, being about 5½ per cent on average net assets, and nearly four hundred thousand dollars in excess of losses by death.

Market value of securities, over three million three hundred thousand dollars in excess of their cost.

Liabilities, both actual and contingent, provided for, and a Divisible Surplus by the Company's standard of over seven million dollars; Surplus by the State standard, over thirteen million dollars.

An increase of nearly two million dollars in income, over three millions in surplus, over seven millions in assets, and of over thirty millions of insurance in force, during 1885.

SUMMARY OF REPORT.

BUSINESS OF 1885.

Received in Premiums	$12,722,103.03
Received in Interest, Rents, etc.	3,399,069.71
Total Income	**$16,121,172.74**
Paid Death-claims	$2,999,109.64
" Endowments	741,764.47
" Annuities, Dividends, and for Policies Purchased	3,940,999.64
Total Paid Policy-holders	**$7,681,873.75**
New Policies Issued	18,566
New Insurance Written	$68,521,452.00

CONDITION JAN 1, 1886.

Cash Assets	**$66,864,321.32**
* Divisible Surplus, Co.'s Standard	$7,064,473.13
† Tontine " " "	3,123,742.77
Total Surplus, " "	**$10,188,215.90**
Surplus by State Standard	**$13,225,053.94**
Policies in Force	86,418
Insurance in Force	$259,674,500.00

PROGRESS IN 1885.

Excess of Interest over Death-losses,	$399,960.07
Increase in Income	1,880,697.35
Increase in Surplus, State Standard,	3,313,707.48
Increase in Assets	7,580,567.75
Increase in Insurance Written	7,036,902.00
Increase in Insurance in Force	30,291,914.00

* Exclusive of the amount specially reserved as a contingent liability to Tontine Dividend Fund.

† Over and above a 4 per cent reserve on existing policies of that class.

THE SEVEN ADVANTAGES

OF THE

New-York Life Insurance Company's

NONFORFEITING-TONTINE LIMITED-ENDOWMENT POLICY.

FIRST ADVANTAGE.—Insurance for a definite amount, or for an amount increasing with each premium paid, as desired.

SECOND ADVANTAGE.—A Definite Cash Endowment, and a Tontine Dividend, to Policies in force at the end of Endowment and Tontine periods, which periods correspond, and may be either Ten, Fifteen or Twenty Years.

THIRD ADVANTAGE.—Insurance for the full amount of the Policy, extended for as long a time as the value of the Policy will carry it, within the Endowment period, in case of discontinuance of payment of premiums after three years.

FOURTH ADVANTAGE.—A Grace of one month in the payment of premiums, during which time the policy-holder's security is unimpaired.

FIFTH ADVANTAGE.—Three valuable options, including cash value, to policy-holders who survive their Tontine and Endowment periods and keep their policies in force.

SIXTH ADVANTAGE.—Practical freedom of action with respect to occupation, residence and travel.

SEVENTH ADVANTAGE.—The payment of death-claims immediately upon the approval of the required proofs of death.

Do not insure until you have seen full particulars of this Policy. Do not fail to write the nearest Agent, or the Home Office, for such particulars—**at once.** The NEW YORK LIFE INSURANCE COMPANY, 346 and 348 Broadway, New York City.

RUFUS W. WEEKS, Actuary.
THEODORE M. BANTA, Cashier.
D. O'DELL, Supt. of Agencies.
A. HUNTINGTON, M.D., Medical Director.

WILLIAM H. BEERS, President.
HENRY TUCK, Vice-President.
ARCHIBALD H. WELCH, 2d Vice-Pres't.

Notary Public and Commissioner of Deeds.
Special Attention to Insurances and Appraisements.

J. ROMAINE BROWN,
Real Estate,
62 WEST 33d STREET,
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Telephone No., 381 39th Street.

T. JUDSON KILPATRICK,
Real Estate Broker,
"HOFFMAN ARMS,"
640 Madison Ave. (cor. 59th St.)
NEW YORK.
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Money to Loan on Bond and Mortgage.

FERDINAND FISH,
149 Broadway, NEW YORK, Cor. Liberty St.,
Makes a specialty of his business—the Alteration, Improvement and General Management of Business Property. Plans prepared, estimates obtained, leases negotiated, rents collected, and entire charge taken. Refers to owners of many Broadway buildings he has altered and managed for years, the rents of which have been largely increased.
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SCHUYLER & GILES,
32 LIBERTY STREET
AND
71st STREET, S. W. Corner 9th AVENUE.
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MORTGAGE LOANS, INSURANCE.
TELEPHONES.
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Real Estate.
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Near 33d St. NEW YORK.
The Entire Management of Estates a Specialty.
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CHARLES BUEK & CO.
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Prepare Plans and Specifications for all classes of Buildings.
Build complete under Contract.
Will join owners in improving well located property.

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Architects,
No. 19 East 28th Street,
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R. M. UPJOHN,
ARCHITECT,
111 Broadway,
NEW YORK.
Ecclesiastic. Civil. Domestic.

CHAS. GRAHAM & SONS,
ARCHITECTS
AND
BUILDERS,
305 and 307 E. 43d Street,
NEW YORK.

ERNST E. W. SCHNEIDER,
Architect,
ROOM, 48 BIBLE HOUSE,
Third Avenue, bet. Astor Place and 9th Street,
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OFFICE HOURS:—9 to 12 A. M. 1 to 3 P. M.

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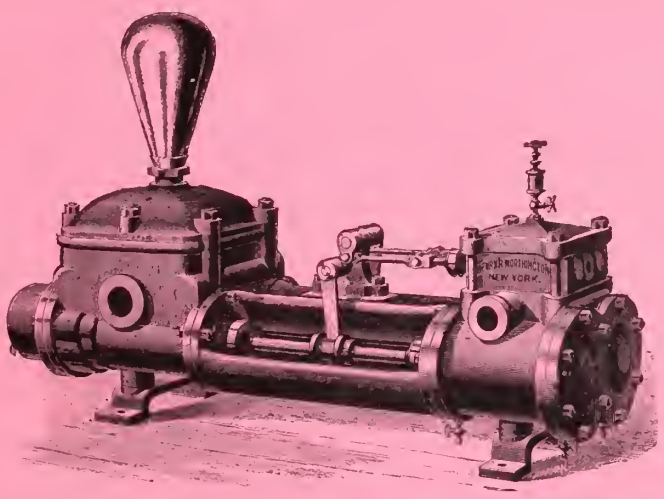
STEAM PUMPING ENGINES,

FOR THE SUPPLY OF

CITIES AND TOWNS.

Worthington Engines of 15,000,000 Capacity in 24 Hours at New York High Service Station.

Worthington Steam Pumps of all Sizes and for all Purposes.



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Improved Patterns, Adopted by the New York Department of Public Works, and used by all the principal Water Works Companies of the United States and Canada.

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HENRY R. WORTHINGTON,

New York, Boston, St. Louis, Chicago, Cincinnati, San Francisco, London, England.

Established 1848. Incorporated 1884.

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HARDWARE AND METALS,

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AGENTS FOR ANCHOR BRAND NAILS,

Fine Brass and Bronze

HARDWARE FOR BUILDINGS.

ESTIMATES GIVEN.

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NEW YORK,

CARRY CONSTANTLY IN STORE A LARGE STOCK OF

IRON AND STEEL

Of every Description.

STEEL AND IRON BEAMS,

CHANNELS, TEES, ANGLES

and all Iron and Steel used for Structural Purposes

FURNISHED PROMPTLY FROM STORE OR MILL.

FINANCE DEPARTMENT—*Continued.*

Bureau for the Collection of City Revenue and of Markets.

Nos. 1 and 3 Stewart Building, Chambers Street and Broadway, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
James J. Kelso.....	Coll'r City Revenue & Supt. of Markets.	110 East 55th street...	$3,500 00
Sigmund Wise.....	D'puty Coll'r City Rev	229 East 35th street.	2,250 00
Graham McAdam.....	Chief Clerk.....	308 West 20th street..	2,000 00
William A. Marshall....	Bookkeeper.....	123 East 24th street..	1,500 00
Samuel C. Holmes.....	D'puty Coll'r City Rev	175 Duffield st., B'klyn	1,250 00
Peter Farrell.....	" "	224 West 35th street..	1,250 00
Daniel Williams.....	" "	95 Christopher street..	1,250 00
George W. Creighton....	" "	9 Perry street.....	1,250 00
Michael J. McLaughlin..	" "	178 Hester street.....	1,000 00
George Coope.....	" "	1438 Lexington ave...	1,000 00
Lewis Schoonmaker.....	Clerk of Markets.....	54 East 25th street...	1,800 00

Bureau of the Chamberlain.

Nos. 25 and 27 Stewart Building, Chambers Street and Broadway, 9 A.M. to 4 P.M.

WM. M. IVINS.....	City Chamberlain ...	$25,000 00

"The Chamberlain shall receive the sum of twenty-five thousand dollars annually, and no more, for all services as Chamberlain of said City and as County Treasurer of the County of New York, in lieu of salary and of all interest, fees, commissions, and emoluments; and all such interest, fees, commissions, and emoluments shall be accounted for and paid over by him to the City Treasury except that the commissions or compensation provided by law and received by him for receiving and paying over the State taxes and all interest which accrues on deposits shall be paid by him to the Commissioners of the Sinking Fund. He may appoint and remove, at pleasure, a deputy chamberlain and such clerks and assistants as may be necessary, whose salaries, together with all the expenses of his office, shall be paid wholly by him, and shall in no case be a public charge."—[Section 165, New York City Consolidation Act of 1882.]

City Library.

No. 12 City Hall, 10 A.M. to 4 P.M.

Commissioners of Accounts.

Rooms 114 and 115 Stewart Building, 9 A.M. to 4 P.M.

Wm. P. Shearman.....	Commissioner.....	St. Cloud Hotel.....	$5,000 00
Joseph B. Adamson.....	"	2762 Webster avenue..	5,000 00

LAW DEPARTMENT.

Office of the Counsel to the Corporation.

Staats-Zeitung Building, third floor, 9 A.M. to 5 P.M.; Saturdays, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
E. HENRY LACOMBE....	Counsel to the Corp'n.	81 Clinton place.....	$12,000 00
David J. Dean.....	Assistant.....	1417 Sixth avenue....	7,500 00
Frank A. Irish.....	"	401 Washing'n av., Bk	3,800 00
Francis L. Wellman....	"	556 East 87th street..	3,000 00
Thomas P. Wickes.....	"	132 East 35th street..	2,800 00
Thomas B. Clarkson....	"	119 Waverley place....	2,700 00
Albert L. Cole.....	"	142 East 62d street...	2,000 00
John J. Townsend, Jr..	"	131 Fifth avenue.....	2,000 00
Fielding L. Marshall....	"	High Bridge.....	1,000 00
Andrew T. Campbell...	Chief Clerk.....	101 West 53d street...	3,800 00
Henry F. Rosselot.....	Clerk.....	23 South 5th avenue..	1,500 00
William H. Brady.....	"	Kingsbridge.....	1,500 00
Walker Hartwell.....	"	34 West 21st street....	1,100 00
Richard H. Smith.....	"	309 West 14th street..	900 00
Wilmot Townsend Cox .	"	Dosoris, L. I.....	800 00
Edwin J. Freedman.....	"	120 West 125th street.	800 00
Joseph S. McCann.....	"	449 East 58th street..	600 00
Henry W. Unger.....	Stenographer.....	152 East 52d street...	1,300 00
S. Pierre Rothschild....	"	211 West 132d street..	1,100 00
John Foy.....	Copyist.....	439 Canal street.....	1,100 00
Edward S. Traver.....	"	21 Eighth avenue.....	740 00
Benjamin H. Brevoort..	"	111 East 24th street..	700 00
John J. Fitzgerald.....	Examiner.....	106 Macdougal street.	1,200 00
Terence G. O'Brien.....	"	120 East 112th street.	1,200 00
James M. Valles.....	Librarian.....	225 East 118th street..	1,200 00

Bureau of the Attorney for the Collection of Arrears of Personal Taxes.

Charles S. Beardsley....	Attorney.....	358 West 22d street...	$4,000 00
William Comerford.....	Clerk.....	218 East 39th street..	1,500 00

Bureau of the Public Administrator.

No. 49 Beekman street, 9 A.M. to 4 P.M.

Richard J. Morrisson....	Public Administrator.	68 West 36th street...	$4,000 00
Lemuel H. Arnold, Jr..	First Clerk..... ...	62 Wall street...	1,850 00
Edward Timpson.....	Second Clerk.....	800 Eighth avenue...	1,250 00

Bureau of the Corporation Attorney.

No. 49 Beekman street, 9 A.M. to 4 P.M.

William A. Boyd.....	Corporation Attorney.	350 Madison avenue..	$4,000 00
Herman Stiefel.....	First Clerk.....	750 Sixth street.....	2,000 00
Frederick W. Diehl.....	Second Clerk	133 Essex street.....	1,200 00
James P. Keating.....	Transcript Clerk.....	333 East 37th street..	1,199 00
James J. McGrath.....	General Clerk.....	309 East 114th street.	1,199 00

POLICE DEPARTMENT.

Central Office.

No. 300 Mulberry street, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
STEPHEN B. FRENCH	Commissioner (*Pres.*)	129 East 17th street	$8,000 00
JOHN R. VOORHIS	"	786 Greenwich street	5,000 00
FITZ JOHN PORTER	"		5,000 00
JOHN MCCLAVE	"	429 West 47th street	5,000 00
William H. Kipp	Chief Clerk	357 Pleasant avenue	5,000 00
William Delamater	First Deputy Clerk	422 East 57th street	3,000 00
George Hopcroft	Clerk of Sup't	201 West 13th street	3,000 00
George P. Gott	Treasurer's Bookkeep'r	389 Pleasant avenue	3,000 00
George B. Stone	Second Deputy Clerk	46 Prospect place	2,400 00
John F. Harriot	Property Clerk	67 Lexington avenue	2,250 00
Emanuel Dreyfous	Deputy Clerk	130 East 82d street	2,000 00
Ely S. Parker	"	22 West 32d street	2,000 00
Seth C. Hawley, Jr	"	152d st., bet. Boulevard and 12th av	1,900 00
Edmund C. Gay	"	172 East 80th street	1,900 00
Robert S. Peterson	"	367 West 22d street	1,900 00
Peter Masterson	"	467 West 63d street	1,800 00
Charles A. Grant	"	426 West 44th street	1,700 00
John H. Matthews	"	175 East 64th street	1,700 00
Hugh W. Thomas	"	230 East 36th street	1,700 00
Thomas J. Doran	"	247 Seventh street	1,600 00
Isaac L. Moe	"	141 East 17th street	1,600 00
Walter E. Derby	"	United States Hotel	1,600 00
Thomas Feely	"	310 East 39th street	1,600 00
George W. Hasbrouck	"	201 West 127th street	1,750 00
Robert L. Wood	"	158 East 37th street	1,300 00
George H. Mellish	Stenographer	168 West 26th street	1,500 00
Daniel W. Craig	"	127 East 10th street	1,500 00
James Crowley	Sup't of Telegraph	219 East 79th street	2,500 00
Michael R. Brennan	Operator	318 East 37th street	1,200 00
George F. Stevens	"	356 West 22d street	1,200 00
Charles Wylie	"	204 West 42d street	1,200 00
Richard Battin	"	225 West 40th street	1,200 00
Robert L. Ferguson	"	152 Sullivan street	1,200 00
William S. Fraser	Lineman	287 Broome street	900 00
Francis H. Haggarty	Battery Boy	153 West 16th street	600 00
Charles L. Gott	Messenger	118 East 83d street	1,000 00
John F. Dwyer	"	408 East 114th street	800 00
Mary Webb	Matron	300 Mulberry street	400 00
Charles Phelps	Surgeon	100 East 19th street	2,250 00
John H. Dorn	"	51 West 9th street	2,250 00
Samuel B. W. McLeod	"	247 West 23d street	2,250 00
Stephen G. Cook	"	111 West 12th street	2,250 00

POLICE DEPARTMENT—*Continued.*

Name.	Position.	Residence.	Salary.
Augustus W. Maclay	Surgeon	68 Second avenue	$2,250 00
F. LeRoy Satterlee	"	21 West 19th street	2,250 00
Sigismund Waterman	"	103 West 49th street	2,250 00
George Steinert	"	148 East 127th street	2,250 00
Francis M. Purroy	"	Fordham	2,250 00
William A. Varian	"	Kingsbridge	2,250 00
Samuel K. Lyon	"	312 Second avenue	2,250 00
William F. Fluhrer	"	60 West 50th street	2,250 00
David Matthews	"	206 West 15th street	2,250 00
Benjamin F. Dexter	"	110 West 43d street	2,250 00
Reese H. Voorhees	"	107 East 35th street	1,500 00
Benjamin Wood, Jr.	"	174 East 80th street	1,500 00
John H. Nesbitt	"	360 West 42d street	1,500 00
Martin A. McGovern	"	214 West 22d street	1,500 00
John J. O'Brien	Chief of Elections	120 Forsyth street	5,000 00
William Murray	Superintendent	146 East 78th street	6,000 00

First and Second Inspection Districts.
No. 300 Mulberry street, Rooms 1, 2, and 3.

Henry V. Steers	Inspector	10th avenue, between 155th and 156th sts.	$3,500 00

Third Inspection District.

George W. Dilks	Inspector	34 West 9th street	$3,500 00

First Precinct.
Old Slip.

Charles W. Caffrey	Captain	162 East 114th street.	$2,000 00
John J. Fitzgerald	Sergeant	Station-house	1,600 00
Andrew McClintock	"	12 St. Luke's place	1,600 00
Patrick Oates	"	29 Montgomery street.	1,600 00
Arthur Rork	"	Station-house	1,600 00

Second Precinct.
Highbridgeville.

John Sanders	Captain	147 East 90th street	$2,000 00
William A. Revell	Sergeant	428 East 85th street	1,600 00
Edward Lucas	"	Dark st., Kingsbridge.	1,600 00
John McNamara	"	121 East 79th street	1,600 00

Third Precinct.
Steamboat Squad.

George W. Gastlin	Captain	8 Charles street	$2,000 00
John J. Taylor	Sergeant	270 West 37th street	1,600 00
Watson Vredenburgh	"	428 East 57th street	1,600 00
Charles H. Reinisch	"	Monroe ave., Belmont.	1,600 00

POLICE DEPARTMENT—*Continued.*

Fourth Precinct.

9 and 11 Oak street.

Name.	Position.	Residence.	Salary.
Robert O. Webb	Captain	208 Henry street	$2,000 00
John Kelly	Sergeant	1635 Lexington ave.	1,600 00
Richard F. Magan	"	710 East 142d street	1,600 00
Peter Ryan	"	229 East 80th street	1,600 00

Fifth Precinct.

19 and 21 Leonard street.

Joseph B. Eakins	Captain	478 West 105th street.	$2,000 00
Miles De Shays	Sergeant	332 West 19th street	1,600 00
Edward R. De Lamater	"	257 West 126th street.	1,600 00
Andrew J. Thompson	"	236 East 23d street	1,600 00
Patrick H. Doran	"	342 East 8th street	1,600 00

Sixth Precinct.

19 and 21 Elizabeth street.

John McCullagh	Captain	137 West 36th street	$2,000 00
Edward Colegrove	Sergeant	218 East 123d street	1,600 00
William Thompson	"	20 Gouverneur street	1,600 00
Robert Young	"	426 West 19th street	1,600 00
John Ryan	"	37 Watts street	1,600 00

Seventh Precinct.

245 and 247 Madison street.

Henry Hedden	Captain	261 West 16th street	$2,000 00
Myron Allen	Sergeant	249 Madison street	1,600 00
Charles W. Woodward	"	231 East 81st street	1,600 00
David H. Crowley	"	298 Madison street	1,600 00

Eighth Precinct.

128 Prince street.

Charles McDonnell	Captain	42 King street	$2,000 00
Thos. H. B. Carpenter	Sergeant	434 West 83d street	1,600 00
William H. Christie	"	527 West 69th street	1,600 00
Frank W. Robb	"	136 East 88th street	1,600 00
Patrick McNally	"	162 East 102d street	1,600 00

POLICE DEPARTMENT—*Continued.*

Ninth Precinct.

94 Charles street.

Name.	Position.	Residence.	Salary.
Theron S. Copeland	Captain	34 Barrow street	$2,000 00
James J. Brophy	Sergeant	197 Henry street	1,600 00
John A. Croker	"	365 West 11th street	1,600 00
William Poreher	"	507 Hudson street	1,600 00
Jas. B. Wilson	"	256 West 4th street	1,600 00

Tenth Precinct.

87 and 89 Eldridge street.

Anthony J. Allaire	Captain	143 East 19th street	$2,000 00
Timothy J. Creeden	Sergeant	346 Third avenue	1,600 00
Gustavus Dahlgren	"	117 Avenue B	1,600 00
William Kass	"	31 East 110th street	1,600 00
Augustus W. Warner	"	539 East 117th street	1,600 00

Eleventh Precinct.

Sheriff and Houston streets.

	Captain		$2,000 00
William Meakim	Sergeant	154 Henry street	1,600 00
Michael Collins	"	Station-house	1,600 00
Andrew Doyle	"	290 East Broadway	1,600 00
Philip M. Griffith	"	372 East 4th street	1,600 00

Twelfth Precinct.

146 and 148 East 126th street.

Henry D. Hooker	Captain	392 Pleasant avenue	$2,000 00
Charles C. Buddington	Sergeant	160 East 120th street	1,600 00
De Los Reynolds	"	66 East 129th street	1,600 00
William W. Sullivan	"	1483 Fourth avenue	1,600 00
Matthew Tuck	"	169 East 114th street	1,600 00

Thirteenth Precinct.

178 Delancey street.

Jeremiah Petty	Captain	178 Delancey street	$2,000 00
Thomas Lancer	Sergeant	67 Monroe street	1,600 00
Theron T. Thompson	"	130 East 107th street	1,600 00
Henry Wood	"	501 West 34th street	1,600 00

POLICE DEPARTMENT—*Continued.*

Fourteenth Precinct.

205 Mulberry street.

Name.	Position.	Residence.	Salary.
Michael J. Murphy	Captain	168 Henry street	$2,000 00
Marcus Horbelt	Sergeant	65 Marion street	1,600 00
Thomas N. James	"	311 East 65th street	1,600 00
Michael Lamey	"	283 West 12th street	1,600 00
John F. Maloney	"	222 Sixth street	1,600 00

Fifteenth Precinct.

251 and 253 Mercer street.

John J. Brogan	Captain	7 Van Nest place	$2,000 00
Joseph Douglass	Sergeant	162 East 115th street	1,600 00
Donald Grant	"	253 Mercer street	1,600 00
John Kellaher	"	220 West 10th street	1,600 00
John J. Thompson	"	332 East 124th street	1,600 00

Sixteenth Precinct.

230 West 20th street.

John McElwain	Captain	313 West 21st street	$2,000 00
William Blair	Sergeant	122 West 19th street	1,600 00
Daniel Polhamus	"	424 West 18th street	1,600 00
James Lonsdale	"	258 West 21st street	1,600 00
Oliver Timms	"	365 West 24th street	1,600 00

Seventeenth Precinct.

79 and 81 First avenue.

John H. McCullagh	Captain	216 East 49th street	$2,000 00
Joseph Haggerty	Sergeant	222 East 49th street	1,600 00
Jacob Welsing	"	18 First Avenue	1,600 00
George Little	"	419 East 6th street	1,600 00
John Gallagher	"	65 St. Mark's place	1,600 00

Eighteenth Precinct.

325 East 22d street.

Wm. H. Clinchy	Captain	327 East 22d street	$2,000 00
Michael Fanning	Sergeant	977 Second avenue	1,600 00
Thomas H. Mangin	"	327 East 22d street	1,600 00
Hugh Clark	"	289 Seventh street	1,600 00
William T. Coffey	"	218 Ninth avenue	1,600 00

POLICE DEPARTMENT—*Continued.*

Nineteenth Precinct.

163 East 51st street.

Name.	Position.	Residence.	Salary.
John J. Mount	Captain	108 East 52d street	$2,000 00
John Delaney	Sergeant	759 Second avenue	1,600 00
Walter Norris	"	182 East 76th street	1,600 00
Michael M. Rooney	"	577 East 136th street	1,600 00
Henry K. Woodruff	"	163 East 51st street	1,600 00

Nineteenth Sub-Precinct.

Grand Central Depot.

William Schultz	Captain	180 East 111th street	$2,000 00
George R. Bevans	Acting Sergeant	221 East 106th street	1,200 00
Enoch A. Goodell	"	St. Nicholas avenue and 151st street	1,200 00

Twentieth Precinct.

434 West 37th street.

George Washburn	Captain	371 West 35th street	$2,000 00
Stephen E. Brown	Sergeant	518 West 43d street	1,600 00
William F. Devery	"	438 Tenth avenue	1,600 00
George H. Havens	"	159th street, bet. Tenth and Eleventh aves	1,600 00
Andrew J. Thomas	"	342 West 33d street	1,600 00

Twenty-first Precinct.

160 East 35th street.

Thomas M. Ryan	Captain	318 East 41st street	$2,000 00
Philip Cassidy	Sergeant	248 East 30th street	1,600 00
John Fitzgerald	"	244 East 38th street	1,600 00
Frederick W. Martens	"	Anthony avenue and 177th st., Tremont	1,600 00
George P. Osborne	"	266 West 37th street	1,600 00

Twenty-second Precinct.

345 West 47th street.

Thomas Killilea	Captain	420 West 51st street	$2,000 00
Charles U. Combes, Jr.	Sergeant	Washington ave., bet. 167th & 168th sts	1,600 00
John Dunn	"	310 West 47th street	1,600 00
Patrick H. Pickett	"	320 East 85th street	1,600 00
John T. Stephenson	"	414 West 55th street	1,600 00

POLICE DEPARTMENT—*Continued.*

Twenty-third Precinct.

432 East 88th street.

Name.	Position.	Residence.	Salary.
Peter Conlin	Captain	Highbridge	$2,000 00
Michael Sheehan	Sergeant	411 East 85th street	1,600 00
Wm. R. Haughey	"	1436 Lexington ave.	1,600 00
Nelson Haraden	"	Fourth ave., bet. 118th and 119th streets	1,600 00
Imer D. Luerssen	"	129th street, west of Tenth avenue	1,600 00

Twenty-fourth Precinct.

Steamer Patrol.

Elbert O. Smith	Captain	205 East 82d street	$2,000 00
Obed Firth	Sergeant	63 West 128th street	1,600 00
	"		1,600 00

Twenty-fifth Precinct.

34 East 29th street.

Ira S. Garland	Captain	41 Barrow street	$2,000 00
Washington T. Devoe	Sergeant	117 East 112th street	1,600 00
William H. Lefferts	"	812 Greenwich street	1,600 00

Twenty-sixth Precinct.

City Hall.

	Captain		$2,000 00
Joseph Stewart	Acting Captain	Anthony av., nr E. 177th	1,600 00
James Gaynor	Sergeant	1239 Third avenue	1,600 00
George B. Kass	"	25 East 86th street	1,600 00

Twenty-seventh Precinct.

35 New Church street.

Wm. C. F. Berghold	Captain	148 Stanton street	$2,000 00
Edward Muret	Sergeant	123 Manhattan street	1,600 00
Richard Welsh	"	9 East 130th street	1,600 00
Thomas E. Willard	"	262 West 129th street	1,600 00
Thomas Reilly	"	511 East 86th street	1,600 00

Twenty-eighth Precinct.

220 East 59th street.

John Gunner	Captain	362 East 69th street	$2,000 00
John Hamilton	Sergeant	1033 Third avenue	1,600 00
William J. Linden	"	448 West 62d street	1,600 00
William B. McMillen	"	222 East 76th street	1,600 00
Henry Roberts	"	516 East 82d street	1,600 00

POLICE DEPARTMENT—*Continued.*

Twenty-ninth Precinct.

137 West 30th street.

Name.	Position.	Residence.	Salary.
Alexander S. Williams...	Captain.....	109 East 10th street..	$2,000 00
Adam A. Cross.....	Sergeant	241 West 123d street..	1,600 00
James M. King.....	"	157 East 91st street...	1,600 00
Max F. Schmittberger...	"	214 West 32d street...	1,600 00
Josiah A. Westervelt....	"	329 West 27th street..	1,600 00

Thirtieth Precinct.

126th street, near Eighth avenue.

Jacob Siebert.....	Captain.....	261 West 126th street.	$2,000 00
Thomas L. Heape.....	Sergeant	415 East 115th street.	1,600 00
Charles R. Wilson.....	"	247 West 129th street.	1,600 00
Christopher Boehme.....	"	184th st. and Morris av	1,600 00
Cornelius Weston.....	"	335 East 117th street.	1,600 00

Thirty-first Precinct.

432 West 100th street.

Frank B. Randall.....	Acting Captain	328 East 125th street..	$1,600 00
Richard Coffy.....	Sergeant	106th st. and Riverside drive.....	1,600 00
John Fitzgerald.....	"	131st street, bet. 10th av. and Boulevard..	1,600 00
Patrick Walsh.....	"	416 West 55th street..	1,600 00

Thirty-second Precinct.

Tenth avenue and 152d street.

Moses W. Cortright.....	Captain.....	423 West 47th street..	$2,000 00
John R. Groo.....	Sergeant	215 West 53d street...	1,600 00
William F. Kirchner....	"	166th st., near 10th av	1,600 00
Thomas F. McAvoy.....	"	150th st., near 10th av	1,600 00
Eugene T. Woodward....	"	160th st., between 10th and 11th avenues...	1,600 00

Thirty-third Precinct.

Third and Washington avenues.

Theron R. Bennett.....	Captain..	217 East 127th street.	$2,000 00
Patrick Connor.....	Sergeant	Washington ave., bet. 169th and 170th sts.	1,600 00
Stephen Keating.....	"	954 Forest avenue....	1,600 00
Bernard McEveety.....	"	168th st., n. Boston av	1,600 00
Robert J. Wallace.....	"	116 East 129th st.....	1,600 00

POLICE DEPARTMENT—*Continued.*

Thirty-fourth Precinct.

1925 Bathgate avenue.

Name.	Position.	Residence.	Salary.
John M. Robbins	Captain	1998 Lexington avenue	$2,000 00
Thomas Huff	Sergeant	178th street and Bathgate avenue	1,600 00
James S. Mead	"	1680 Bathgate avenue.	1,600 00
Joseph Stewart	"	1832 Anthony avenue.	1,600 00
William H. Webb	"	Kingsbridge road and Monroe avenue	1,600 00

Thirty-fifth Precinct.

Kingsbridge.

Peter Yule	Captain	235 East 110th street..	$2,000 00
Albert W. McDonald	Sergeant	Valentine avenue and 184th street	1,600 00
William H. Taylor	"	548 East 87th street..	1,600 00
John T. Wright	"	Marion ave., Fordham	1,600 00

Sanitary Company—Boiler Department.

Washington Mullin	Sergeant	238 East 112th street..	$1,600 00
Henry Wheeler	Acting Sergeant	101 West 49th street..	1,200 00
William Luther	Doorman	188 Orchard street	900 00

Detective Bureau.

300 Mulberry street.

Thomas Byrnes	Inspector	59 West 9th street	$3,500 00
Isaac Bird	Sergeant	432 West 18th street..	1,600 00
William W. McLaughlin.	"	84 Greenwich avenue.	1,600 00
Richard O'Connor	"	225 Waverley place	1,600 00
Edward Slevin	"	145 West 10th street..	1,600 00
Hugh P. Birney	Doorman	251 West 31st street..	900 00
Thomas Downey	"	93 Elm street	900 00

Central Office Squad.

Nicholas Brooks	Sergeant	452 East 120th street.	$1,600 00
John W. Haggerty	Acting Sergeant	153 West 16th street..	1,200 00
Joseph A. Saul	Roundsman	160 East 4th street	1,200 00
Michael Smith	"	405 East 52d street	1,200 00
Richard Adams	Doorman	359 West 27th street..	900 00
Charles Waterman	"	336 East 87th street..	900 00

POLICE DEPARTMENT—*Continued.*

House of Detention.

Name.	Position.	Residence.	Salary.
Tunis V. Holbrow	Sergeant	203 Mulberry street	$1,600 00
Thomas McGowan	Patrolman	188 Hester street	1,200 00
William N. Hathaway	Doorman	114 Forsyth street	900 00
Patrick Nolan	"	215 Clinton street	900 00

First District Court Squad.

Charles M. Grainger	Sergeant	215 Clinton street	$1,600 00
William Cruise	Roundsman	227 East 81st street	1,200 00
Francis Fawcett	"	333 East 37th street	1,200 00

Second District Court Squad.

Charles F. Williams	Sergeant	1649 First avenue	$1,600 00
Matthew Campbell	Roundsman	241 West 20th street	1,200 00

Third District Court Squad.

Dennis Cahill	Sergeant	86 Madison street	$1,600 00
Terrence Reilly	Roundsman	25 Ridge street	1,200 00

Fourth District Court Squad.

James K. Fuller	Sergeant	122 East 110th street	$1,600 00
Patrick T. Muldoon	Roundsman	214 East 57th street	1,200 00

Fifth District Court Squad.

Sylvester Osborne	Sergeant	697 East 135th street	$1,600 00
James Hanley	Roundsman	83 St. Mark's place	1,200 00

Sixth District Court Squad.

Henry Ten Eyck	Sergeant	589 East 142d street	$1,600 00
Frederick Thuman	Roundsman	Madison and Columbia avenues, Belmont	1,200 00
John H. Weeks	Patrolman	Topping and Warren streets, Tremont	1,200 00
Morris Uhl	"	365 East 152d street	1,200 00

DEPARTMENT OF STREET CLEANING.

Commissioner's Office.

Nos. 31 and 32 Park Row, "World" Building, Rooms 8 and 9; 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
JAMES S. COLEMAN.	Commissioner.....	23 West 51st street...	$6,000 00
Jacob Seabold.....	Deputy Commissioner.	552 East 140th street..	3,000 00
M. J. Morrisson.....	Chief Clerk.....	327 East 125th street..	2,500 00
R. W. Horner.....	Secretary	34 West 30th street...	1,500 00
John B. Greene	Superintendent.....	224 West 34th street..	2,500 00
Edward O'Shea.....	Ass't Superintendent..	414 East 114th street..	2,000 00
Edward F. McCarthy...	Time and Scow Clerk.	212 East 77th street..	1,500 00
Elwin S. Travers.....	Assistant Clerk.....	313 West 22d street...	1,000 00
William Sprott.....	Inspectors' Return Cl'k	502 East 87th street..	1,200 00
Chas. Dayton.....	Pay-roll Clerk.....	143 West 43d street...	1,380 00
John S. Bacon...	Sup't at Stables.....	354 East 17th street..	1,200 00
S. B. A. Harper.....	Complaint Clerk.....	150 Lexington avenue.	1,200 00
A. S. Smalley.....	Sup't of Tugs & Scows	305 East Broadway...	1,500 00
C. B. Galvin.....	Inspector.....	226 East 11th street..	900 00
C. J. Mallon.....	Time Collector.....	426 East 15th street..	1,200 00
George Caldwell.....	Inspector.....	211 East 17th street..	900 00
Joseph Pickard.....	District Sup't.....	169th st. and Boston av	1,500 00
Edward Holland.....	"	54 West 9th street....	1,500 00
Williams Robbins.....	"	2366 Fourth avenue..	1,500 00
J. F. Stoll.....	Assistant Sup't.....	.....	900 00
P. B. S. O'Brien.....	"	19 Oliver street.....	900 00
Thomas F. Meagher	"	126 East 19th street..	900 00
Henry Zeltner.....	"	45 Norfolk street. ...	900 00
James H. Dunn.....	Messenger	308 East 109th street..	900 00
Fernando M. Pinkney...	"	23 West 33d street....	720 00
James A. Smith.....	Clerk at Stables.....	366 Eighth street.....	1,000 00

Foremen.

Jere. Feore.....	Foreman.....	414 East 114th street.	$900 00
P. J. Hart.....	"	96 Ninth avenue.....	900 00
Owen Healy	"	153 First avenue.....	900 00
John Kennelly.....	"	301 West 57th street..	900 00
Chris. Smith.....	"	435 West 33d street...	900 00
Patrick McDavitt.....	"	322 East 31st street...	900 00
Alex. Martin.....	"	82d street, North river	900 00
James G. Cunningham..	"	78 North Moore street	900 00
William Cavanagh.....	"	332 East 66th street..	900 00
James Gardiner.....	"	50 Laight street.....	900 00
John Coonan.....	"	8 State street.....	900 00
August Kleinan.....	"	112 Clinton street....	900 00

DEPARTMENT OF STREET CLEANING—*Continued.*

Inspectors.

Name.	Position.	Residence.	Salary.
William McKenna	Inspector	220 Avenue A	$900 00
P. J. O'Neil	"	1257 Broadway	900 00
Philip F. Meighan	"	21 Bond street	900 00
Charles Major	"	102 Broome street	900 00
Thomas F. Booth	"	318 East 52d street	900 00
Edward Baack, Jr	"	Fordham	900 00
Thomas Dowd	"	58 Broome street	900 00
William J. Reilly	"	22 Ridge street	900 00
John White	"	205 East 105th street	900 00
W. W. Gillespie	"	7 Battery place	900 00
James B. Blake	"	225 Henry street	900 00
John McLaren	"	286 Eighth avenue	900 00
Frank Gaffney	"	334 East 40th street	900 00
A. B. Devlin	"	304 East 36th street	900 00
Philip Farley	"	319 East 24th street	900 00

Crew of Tug "Dassori."

William Rightneyer	Captain	359 East 8th street	$1,800 00
William Murphy	Engineer	57 Horatio street	1,380 00
James Ellis	Pilot	812 Greenwich street	1,080 00
Henry O'Neill	Deck-hand	251 East 16th street	720 00
Sheldon O'Brien	"	362 East 8th street	720 00
John Murphy	Fireman	87 Tenth avenue	720 00
John Carlin	Steward	526 East 16th street	720 00
Thomas Selfridge	Fireman	116 Madison street	720 00

Crew of Tug "Municipal."

George H. Richards	Engineer	613 East 14th street	$1,380 00
Thomas Flynn	Pilot (Acting Captain)	3 Bethune street	1,080 00
Daniel McCullough	Deck-hand	229 Avenue A	720 00
Chris. Heeger	Fireman	623 East 16th street	720 00
John Purcell	"		720 00
Lawrence Straub	Steward	194 Hudson street	720 00
Thomas Reynolds	Deck-hand	281 Avenue C	720 00

Mechanic at Stables.

James Anthony	Watchman	208 East 53d street	Mo. $75 00

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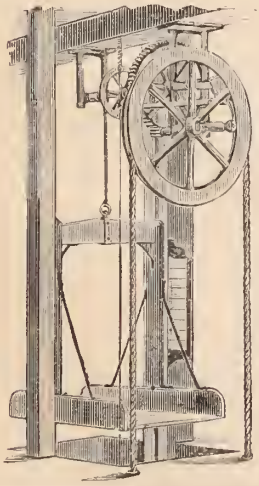

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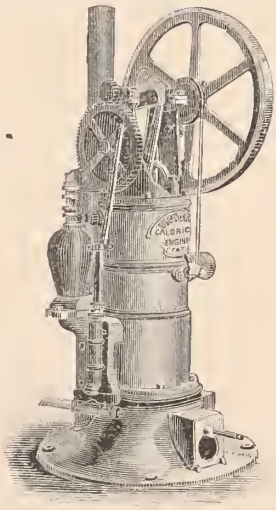

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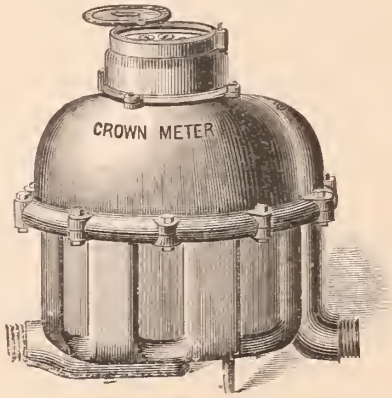

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DEPARTMENT OF PUBLIC WORKS.

Commissioner's Office.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
ROLLIN M. SQUIRE	Commissioner	314 Mott avenue	$8,000 00
D. Lowber Smith	Deputy Commissioner	1018 Lexington ave.	5,500 00
Robert H. Clifford	Chief Clerk	20 East 83d street	4,250 00
Chas. T. McClenachan	Bookkeeper	153 West 53d street	2,800 00
Adolph S. Wydler	Corresponding Clerk	249 East 60th street	2,000 00
John S. Routh	Contract Clerk	233 Madison street	2,400 00
Darius G. Bushnell	Clerk	425 East 23d street	1,800 00
Theodore Froment	"	56 West 39th street	1,800 00
Thomas J. Hitchman	"	75 East 109th street	1,300 00
Robert R. Reed	"	32 West 25th street	1,300 00
Eugene Callahan	"	62 West 10th street	1,000 00
Edwin C. Donnell	Stenographer	166 West 128th street	1,800 00
Edward Brady	Messenger	6 Grove street	1,200 00
Frederick W. Brown	"	123 East 13th street	1,200 00
Thomas Houlahan	"	325 East 34th street	1,200 00

Bureau of Chief Engineers.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

George W. Birdsall		Chief Engineer	107 East 70th street	$7,000 00
Matthew Betts	Bronx River Surveys.	Assistant Engineer	2028 Madison avenue	3,000 00
Martin Gay		" "	Williamsbridge	2,400 00
S. H. Sweet		" "	Tuckahoe	2,000 00
James G. Brinkman		Clerk	219 West 23d street	1,800 00
Walter J. Boggs		Temporary Clerk	100 Perry street	Day, 3 00
Frederick K. Betts		Transitman	Kensico	1,500 00
Daniel A. Curtin		"	"	1,500 00
William J. Haskins		"	257 West 126 street	1,500 00
Thomas Manning		Leveler	Carmel	1,400 00
Geo. S. H. Pierson		"	White Plains	1,200 00
Effingham Ferris		Axeman,		750 00
Thos. Benedict, Jr.		Rodman	Williamsbridge	1,200 00
C. H. Steers		"	"	1,200 00
William A. Emmet		Chainman	"	900 00
Jefferson B. Howard		"	Kensico	900 00
Jos. Thompson		Axeman		750 00
Wm. H. Campbell		"	Sing Sing	Day, 3 00
Ralph Ellis		General Inspector	Kensico	" 5 00

DEPARTMENT OF PUBLIC WORKS—Bureau of Chief Engineer—*Continued.*

Name.		Position.	Residence.	Salary.
George H. Adcock..	Bronx River Surveys.	Inspector of Masonry..	"	$4 00
B. Carlin.....		" " ..	Williamsbridge	Day, 4 00
Andrew O'Rourke...		" " ..	Tuckahoe.....	" 4 00
Edward Sherwood...		" " ..	Williamsbridge	" 4 00
William Dunbar....		" Embankment.	"	" 3 50
J. Howard Kinch...		" " .	Kensico.....	" 3 50
Philyar A. Bodwell..		" Laying Pipe..	Tuckahoe.....	" 3 50
James Hastings.....		" " ..	White Plains.....	" 3 50
Gilbert Palmer.....		" " ..	208 East 109th street.	" 3 50
Dennis Sullivan....		" " ..	White Plains.....	" 3 50
George J. Dambman	New Aqueduct Surveys.	Draughtsman.....	51 First Avenue.....	" 4 00
Julius W. Adams...		Consulting Engineer..	Brooklyn.....	5,000 00
John Mechan		Topographical Engin'r	Sing Sing.....	3,000 00
James Duane.....		Assistant Engineer...	389 East 134th street.	2,400 00
Thomas Stratford...		" ...	Yonkers.....	2,400 00
Isaac Morley.		" ...	Sing Sing.....	2,000 00
Chandler D. Starr..		" ...	134 Second Avenue...	1,800 00
Henry A. Smalley..		" ...	Sing Sing.....	1,500 00
T. H. Harrah.....		Typewriter.....	260 West 21st street..	1,400 00
Adison Connor.....		Transitman.....	Yonkers	1,500 00
Wm. B. Ewing.....		"	"	1,500 00
Thomas L. Moore...		"	"	1,500 00
James H. Riches....		"	Sing Sing.....	1,500 00
John Toomey.....		"	"	1,500 00
James R. Wardlaw..		"	Yonkers.....	1,500 00
C. H. Wilmerding..		"	"	1,500 00
Charles Kennedy....		Leveler.....	"	1,400 00
David T. Carll.....		"	"	1,200 00
Bryant D. C. Fosket.		"	Sing Sing.....	1,200 00
Wm. S. Humbert...		"	Yonkers	1,200 00
O. Herman Rood....		"	"	1,200 00
Charles H. Bull....		Rodman.....	40 West 25th street...	1,500 00
Julius L. Adams....		"	Sing Sing.....	1,000 00
John D. Colby.....		"	Yonkers	1,000 00
Frank Chrystal.....		"	"	1,000 00
Dennis Farrell.....		"	Sing Sing.....	1,000 00
H. W. Powell.....		"	Yonkers	1,000 00
James A. Pyne.....		"	Sing Sing.....	1,000 00
Theodore Oxholm...		"	Yonkers.....	Day, 3 50
Richard L. Blake...		Chainman.....	Sing Sing.....	900 00
McDonough Craven.		"	"	900 00
T. C. Culyer.....		"	"	900 00
C. E. C. Benedict...		"	Yonkers.....	Day, 3 00
Wm. H. Hyland....		"	Sing Sing.....	" 3 00
Daniel B. Goodsell..		Flagman.....	"	900 00
Clarence Howe.....		"	"	900 00
Thomas Shea.....		"	"	900 00
George F. Watson..		Flagman.....	Sing Sing.....	900 00
Ernest A. Lynde...		"	"	Day, 3 00
J. T. Raymond.....		Axeman.....	"	" 3 00
M. H. Smith, Jr...		"	"	" 3 00
George W. Smith...		Engineman.....	Yonkers	" 3 00

DEPARTMENT OF PUBLIC WORKS—Bureau of Chief Engineer—*Continued.*

Name.		Position.	Residence.	Salary.
Francis Macklin	New Aqueduct Surveys.	Machinist	888 Eighth avenue	Day, $3 00
Mario Lorini		Draughtsman	40 West 57th street	2,000 00
Edward J. Maurer		"	73 West 3d street	1,800 00
George F. Kroll		"	Yonkers	Day, 4 00
Alexander R. Taylor		"	Sing Sing	" 4 00
Downing Vaux		"	Yonkers	" 3 50
John E. McKay	Aqueduct—Repairs, etc.	Assistant Engineer	513 East 117th street	4,000 00
Samuel L. Cooper		"	216 East 35th street	3,000 00
Matthew S. Gregory		Rodman	210 East 70th street	1,000 00
Elijah Sniffen		"	Tuckahoe	1,000 00
Marcus Fitzgibbon		Keeper	Central Park	1,200 00
Robert McWhinney		"	High Bridge	960 00
Alexander Campbell		"	Kingsbridge	870 00
Jas. W. Prendergast		"	Yonkers	870 00
Thomas Maher		"	Dobb's Ferry	870 00
Isaac H. Minnerly		"	Tarrytown	870 00
John T. Adcock		"	Sing Sing	870 00
Fernando Wood		"	Yorktown	870 00
Albert Delanoy		1st Engineman	478 Third avenue	1,200 00
John McLarney		1st "	444 East 13th street	1,200 00
Morris Shannon		2d "	339 East 15th street	1,000 00
William Beaman		2d "	1441 Avenue A	1,000 00
Joseph Kenney		3d "	427 Third avenue	1,000 00
Samuel Seaman		3d "	166 Mount Morris ave.	1,000 00
Theo. A. Hamilton		Inspector	122 East 29th street	Day, 4 00
Patrick H. Kedney		"	118 East 89th street	" 3 50
C. C. Childs, Jr.		"	Sing Sing	900 00
Patrick Wolfe	Waste and Use of Water and Meters.	Clerk	46 James street	1,500 00
Alex. Brandon, Jr.		"	1271 Lexington ave.	1,500 00
Frederick Saib		"	105 East 4th street	1,200 00
James McCartney		Supt. Supplying Water	224 East 32d street	2,400 00
Edward H. McGurk		Clerk "	203 East 13th street	1,200 00
Patrick Coughlin		Inspector "	61 Marion street	Day, 3 00
Edward J. Healy		" "	8 Grove street	" 3 00
Asabel R. Herrick		" "	261 West 18th street	" 3 00
Peter Kuhn		" "	229 West 30th street	" 3 00
John Robinson		" "	208 Front street	" 3 00
John A. Walsh		" "	770 Second avenue	" 3 00
William F. Healy		Gen'l Insp'r of Meters	421 East 77th street	" 4 50
Patrick Casey		Inspector of Meters	244 East 32d street	" 3 00
Wm. J. Cloughen		"	230 Avenue A	" 3 00
Francis Donohue		"	312 East 32d street	" 3 00
Charles Japtok		"	156 East Houston st.	" 3 00
Wm. H. Lorenze		"	190 East 78th street	" 3 00
Charles Lyons		"	341 East 37th street	" 3 00
George McGrann		"	282 Henry street	" 3 00
James Menair		"	511 Eleventh avenue	" 3 00
Richard Shecrin		"	356 East 8th street	" 3 00
Al. Stein		"	308 East 85th street	" 3 00
Patrick Tannim		"	341 East 27th street	" 3 00
Daniel D. Nelson		Gen'l Insp'r of Waste	1346 Lexington ave	1,800 00
Thomas Stanton		Inspector of Waste	237 East 10th street	Day, 3 50
James Degnan		"	461 Pearl street	" 3 00

DEPARTMENT OF PUBLIC WORKS—Bureau of Chief Engineer—*Continued.*

Name.		Position.	Residence.	Salary.
James Dillon.....	Waste and Use of Water and Meters.	Inspector of Waste...	422 West 16th street..	Day, $3 00
Anthony C. Dozeville		" ...	44 King street.....	" 3 00
Patrick Durkin.....		" ...	414 West 48th street..	" 3 00
John J. Hennessy ..		" ...	55 East Houston st...	" 3 00
Lawrence Keenan ..		" ...	625 East 9th street...	" 3 00
George H. Kerrigan		" ...	22 West 28th street ..	" 3 00
Michael Looney....		" ...	359 Cherry street.....	" 3 00
Edward McGovern..		" ...	137 Avenue D.....	" 3 00
Carll Neuberg.....		" ...	186 Avenue A.....	" 3 00
P. H. Redmond....		" ...	841 Sixth avenue.....	" 3 00
Thomas Reilly.....		" ...	315 East 26th street..	" 3 00
Frank M. Reynolds.		" ...	116 Clinton place	" 3 00
Charles Schopp.....		" ...	628 East 11th street..	" 3 00
William Turner....		" ...	441 Washington street	" 3 00
Theo. Van Houtten.		" ...	109 West 129th street.	" 3 00
Robert G. Walmsey.		" ...	134 East 110th street.	" 3 00
Joseph Walsh.....		" ...	6 Lafayette place.....	" 3 00
James Grady.....		" ...	314 West 44th street..	" 2 50
Patrick Lynch		" ...	311 East 41st street ..	" 2 50
John Cloughen...	Laying Croton Pipe.	Supt. 24th St. Yard..	245 Avenue A.....	" 5 00
Henry A. Purdy..		Inspector of Pipes....	522 East 82d street...	" 5 00
Geo. W. Whitman		"	Phillipsburg.....	" 5 00
James Coleman..		Insp'r of Laying Pipe	237 Elizabeth street..	" 3 50
John Cuffe		" "	4th ave. and 90th st..	" 3 50
Thomas Leavey...		" "	.....	" 3 50

Bureau of Lamps and Gas.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

Stephen McCormick....	Superintendent	146 East 27th street..	$2,750 00
Edmond Beardsley.....	Clerk.....	358 West 22d street ..	1,800 00
Charles J. Dixon.....	Inspector	147 Thompson street..	900 00
Louis Fransway.....	"	692 Washington street	900 00
Henry Frecking.....	"	933 Second avenue...	900 00
H. Edward Olley.....	"	634 Hudson street....	900 00
James J. Seaman.....	"	877 East 137th street.	900 00

Bureau of Incumbrances.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

Joseph Blumenthal.....	Superintendent.....	172 East 73d street,..	$2,750 00
Joseph C. Kelso.....	Clerk	116 East 123d street..	1,800 00
George Fox.....	Inspector.....	519 Sixth street.....	900 00
Thomas McGinnis.....	"	245 East 36th street..	900 00
Matthew W. Carswell...	"	523 Madison Avenue .	700 00
Thomas Lahey.....	Watchman	.....	Day, 2 00

Bureau of Repairs and Supplies.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
Thomas H. McAvoy....	Superintendent.....	73 West 11th street...	$2,750 00
Thomas F. Bourke.....	Clerk.....	309 East 37th street..	1,800 00
John R. M. Shiel.....	"	522 East 136th street.	1,200 00
Edward Clarkson.....	Janitor, New Court-house.....	New Court-house.....	1,400 00
Martin J. Keese.....	Janitor, City Hall....	City Hall.....	1,300 00
Bartholomew Cronin....	Janitor, Brown-stone Building.....	9 Peck Slip.....	1,000 00
Patrick Callahan.....	Janitor, 1st Civil Court	134 Liberty street....	1,000 00
John Coggey.....	Janitor, 7th Civil and 4th Police Courts ..	7th Dist. Court-house.	1,000 00
Frederick Helbig.....	Janitor, 3d Police Court	540 Ninth avenue....	1,000 00
James F. Kelly.....	Janitor, 2d Police and 3d Civil Courts....	3d Dist. Court-house .	1,000 00
John Knodel.....	Janitor, City Prison Court.....	199 Second street.....	1,000 00
John O'Brien.....	Janitor, 5th Civil Court	5th Dist. Court-house.	1,000 00
William Hamilton.....	Engineer, New Court-house.....	326 East 78th street..	1,100 00
James Roche.....	Engineer, 31 Chambers st.....	275 Hudson street....	1,100 00
John Dunleavy.....	Engineer, Jefferson Market.....	149 Cedar street.....	1,000 00
Thomas Healy	Engineer, 3d District Court-house.....	306 Madison street...	1,000 00
George A. McEwen. ...	Engineer, 5th District Police Court.....	308 East 14th street..	1,000 00
James Reilly.....	Engineer, Brown-stone Building.....	394 East 10th street..	1,000 00
James Wilson.....	Assistant Engineer, New Court-house...	154½ Madison street..	1,000 00
John J. Feehan.....	Watchman, 31 Chambers st.....	319 East 56th street..	800 00
Bernard Smith.....	Watchman, New Court-house	342 East 32d street...	800 00
Matthew Twomey.....	Watchman, Brown-stone Building.....	441 East 85th street..	800 00
Christian Uhl.....	Watchman, City Hall.	170 Avenue A	800 00
Charles Miller.....	Keeper, Gansevoort Street Yard.....	368 West 11th street..	900 00
Francis McCarthy.....	Elevator Attendant, New Court-house...	270 Avenue A.....	600 00
Maurice McCormick....	Messenger.....	532 Grand street.....	Day, 2 50
Peter Kiernan.....	Inspector.....	637 Second avenue ...	" 4 00

Bureau of Street Improvements.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
George A. Jeremiah	Superintendent	251 West 11th street	$2,750 00
Richard Seybold	Clerk	433 Pleasant avenue	1,800 00
Peter J. Moran	Assistant Engineer	500 West 125th street	1,500 00
James McCarthy	Inspector Masonry	1416 Avenue A	Day, 4 00
Edward T. Bennett	" Reg., Grad., etc.	234 Monroe street	" 3 00
Sylvester Bennett	" "	321 Hudson street	" 3 00
Edward C. Brady	" "	174 Pearl street	" 3 00
Jeremiah Chadwick	" "	Brooklyn	" 3 00
Wm. J. Delahanty	" "	Mt. Vernon	" 3 00
Andrew J. Fleming	" "	234 East 36th street	" 3 00
Nathan Frank	" "	139 Avenue C	" 3 00
William F. Gannon	" "	232 East 35th street	" 3 00
Denis Halnan	" "	206 Chatham street	" 3 00
Frederick S. Heiser	" "	561 East 86th street	" 3 00
Henry J. Hume	" "	100 West 24th street	" 3 00
Wm. H. Johnson	" "	210 East 85th street	" 3 00
John Lawrence	" "	236 East 84th street	" 3 00
Patrick Mallon	" "	191 Hudson street	" 3 00
Bernard Martin	" "	342 East 13th street	" 3 00
Joseph McGowan	" "	440 East 55th street	" 3 00
Charles McSorley	" "	307 East 65th street	" 3 00
Peter Meehan	" "	61 East 84th street	" 3 00
James R. Mount	" "	108 East 52d street	" 3 00
Mark Neary	" "	236 East 54th street	" 3 00
Morgan L. Ogden	" "	2100 Third avenue	" 3 00
Walter E. Pallister	" "	212 East 22d street	" 3 00
James H. Reilly	" "	39 Goerck street	" 3 00
John Reilly	" "	2014 Second avenue	" 3 00
Julius Simons	" "	62 Orchard street	" 3 00
Wesley J. Weiant	" "	13 Prospect place	" 3 00
Benj. P. Benjamin	" Numbering sts.	328½ Grand street	" 3 00

Bureau of Streets.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

George E. Babcock	Superintendent	168th st. and Boston av.	$2,750 00
Emil Bottger	Clerk	2008 Third avenue	1,800 00

Bureau of Water Purveyor.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

Alston Culver	Water Purveyor	28 East 125th street	$2,750 00
Frederic Ogden	Clerk	5 West 129th street	1,800 00
Horace Loomis	Assistant Engineer	Mount Vernon	2,250 00
Isaac J. McKinley	Transitman	Tremont	1,200 00

Bureau of Water Purveyor—*Continued.*

Name.	Position.	Residence.	Salary.
Henry P. Morrison	Rodman	349 Greenwich street	$1,200 00
John V. McManus	Messenger	150 East 108th street	1,000 00
Harry Howard	Insp'r Vaults and Areas	94 Elm street	1,800 00
Thomas Abbott	" Paving	308 East 3d street	Day, 3 50
E. D. Lampson	" "	247 East 55th street	" 3 50
Constantine Donoho	" Pavement Rep'rs	82 Elm street	" 3 50
Joseph Hartman	" "	144 Second street	" 3 50
John Moore	" "	29 Broadway	" 3 50
James Brady	" "	10th ave. and 130th st.	" 3 00
John Farrelly	" "	338 East 36th street	" 3 00
Garrett W. Graham	" "	316 Delancey street	" 3 00
Jordan L. Seaman	" "	57 West 16th street	" 3 00
George W. Blanvelt	General Foreman	2148 Seventh avenue	" 4 00

Bureau of Water Register.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

John H. Chambers	Water Register	41 West 11th street	$4,000 00
Gilbert H. White	Cashier	130 East 50th street	2,000 00
Arthur S. Hawley	Assistant Cashier	194 West 10th street	1,500 00
William T. Houston	Bookkeeper	64 East 128th street	1,800 00
George G. Stow	Assistant Bookkeeper	218 East 10th street	1,500 00
Wm. R. Farrell	First Clerk	Fort Washington	2,000 00
Henry Farley	Clerk	305 East 33d street	1,200 00
Henry E. McDonnell	"	120 Rivington street	1,200 00
Seymour V. Moody	"	68 East 129th street	1,200 00
Solomon Seixas	"	420 West 22d street	1,200 00
Alexander J. Shields	"	91 Ninth avenue	1,200 00
Horace C. Brown	"	125 East 13th street	1,000 00
Michael O'Malley	"	544 East 11th street	1,000 00
Thomas Gilmartin	Measurer	48 Madison street	900 00
Anthony M. Jordan	"	413 East 14th street	900 00
Abram Lewis	"	18 Sutton place	900 00
Peter Halpin	Inspector	26 Downing street	Day, 3 00
John Higgins	"	348 West 38th street	" 3 00
William H. Smith	Tapper		" 2 50

Sewers.

No. 31 Chambers Street, 9 A.M. to 4 P.M.

Stevenson Towle	Engineer in Charge	137 East 37th street	$4,800 00
Charles H. Myers	1st Asst. Engineer	64 West 55th street	2,700 00
John S. Newlin	Assistant Engineer	36 East 132d street	2,250 00
Martin J. Brown	"	1613 Third avenue	2,000 00
Cornelius O'Grady	"	158th st. and Forest av.	1,500 00
Joseph O'B. Webster	Assistant Engineer and Chief Draughtsman	Valentine avenue	2,250 00
J. Kennedy Smyth	Clerk	435 East 116th street	1,800 00
James H. Erb	"	326 Second avenue	1,500 00

Sewers—*Continued.*

Name.	Position.	Residence.	Salary.
George Hackett	Clerk	436 West 29th street	$1,500 00
Robert H. Snow	"	2037 Seventh avenue	1,500 00
Charles J. Whitney	"	686 Lexington avenue	1,500 00
Robert Tyler, Jr.	"	125 Lexington avenue	1,200 00
William A. Dawson	Leveler	174 Alexander avenue	1,200 00
William M. Dean	Rodman	95 East 127th street	1,500 00
Frank Finlay	"	323 West 35th street	1,500 00
James H. Judge	"	Fordham	1,500 00
Edmund Q. Morton	"	34 West 12th street	1,200 00
Cowper Thorburn	"	2024 Third avenue	1,200 00
Henry B. Towle	"	137 East 37th street	1,200 00
Henry J. McGough	"	Washington avenue	1,000 00
Samuel Strauss	"	34½ Bowery	Day, 3 50
Frederick McFarland	"	Westminster Hotel	" 3 00
Albert E. Grubb	Draughtsman	14 Irving place	" 3 50
Joseph Hastings	"	125 East 86th street	" 3 50
George W. Isaacs, Jr.	"	212 East 30th street	" 3 50
George O'Byrne	"	223 East 31st street	" 3 50
Herman Spindler	"	341 East 82d street	" 3 50
Francis Troll	"	325 East 29th street	" 3 50
Samuel E. Warren	"	217 East 18th street	" 3 50
Edward F. Stephens	"	411 West 57th street	1,680 00
George A. Wheeler	"	106 West 20th street	1,680 00
Richard O'Brien	General Inspector	316 East 24th street	1,800 00
Alexander W. McDonald	"	124 West 67th street	1,500 00
Charles H. Babcock	" Repairs	168th st. and Boston av.	1,800 00
James Coburn	Inspector Connections	233 East 52d street	Day, 4 00
James Hughes	" "	648 Greenwich st.	" 4 00
Thomas Hushion	" "	78 Marion street	" 4 00
John J. Sheehan	" "	242 East 35th street	" 4 00
Patrick McCabe	" Repairing	121 West 10th street	" 4 00
Michael Dooley	" Construct'n	418 West 55th street	" 4 00
Peter Duffy	" "	744 Tenth avenue	" 4 00
Michael Kenney	" "	389 East Houston	" 4 00
Thomas F. Maguire	" "	250 East 31st street	" 4 00
James Mahoney	" "	142 East 53d street	" 4 00
Martin J. Meehan	" "		" 4 00
David P. McBrien	" "	581 Hudson street	" 4 00
Michael McCann	" "	9th ave. and 101st st.	" 4 00
James McClelland	" "	411 East 29th street	" 4 00
James H. McCort	" "	307 East 29th street	" 4 00
Michael J. Clynes	" "	281 Avenue C	" 4 00
John O'Connor	" "	221 West Houston st	" 4 00
John O'Leary	" "	22 City Hall place	" 4 00
James Reilly	" "	762 Second avenue	" 4 00
Edward Roche	" "	504 West 125th street	" 4 00
Walter Roche	" "	High Bridge	" 4 00
Henry Stern	" "	219 Seventh street	" 4 00
Samuel Wilson	" "	555 West 50th street	" 4 00
George E. Lynch	" Restoring	50 East 125th street	" 3 00
John Boyle	" "	328 East 22d street	" 3 00
James W. Bradley	Messenger	567 Third avenue	750 00

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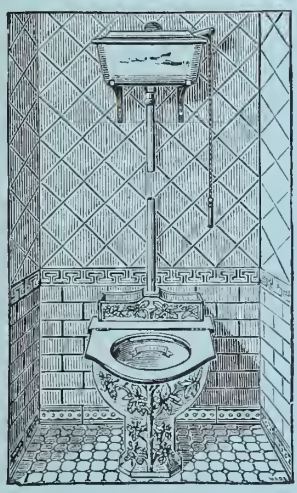

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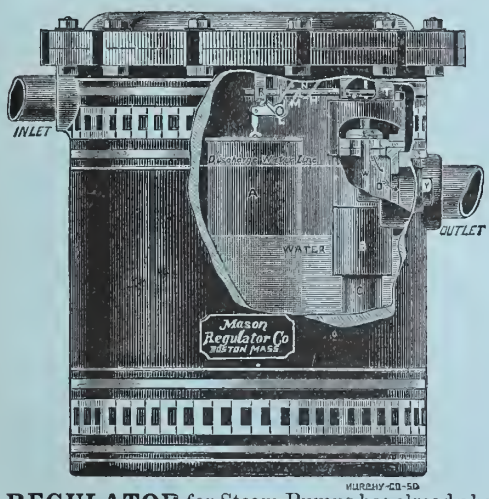

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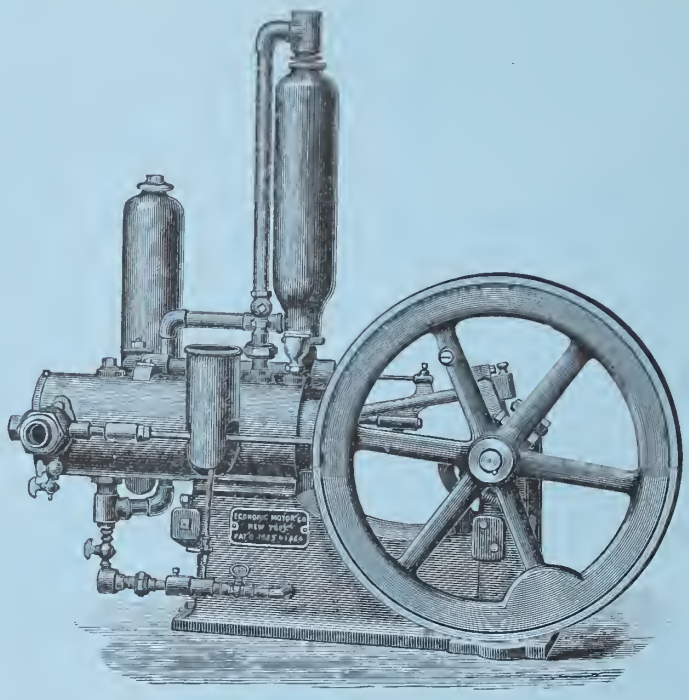

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SPECIAL LAWS

RELATING TO THE

DEPARTMENT OF PUBLIC WORKS.

Title 1. General Powers and Duties of the Department.

§ 315. The commissioner of public works, may appoint a deputy commissioner of public works, who shall, in addition to his other powers, possess every power and perform all and every duty belonging to the office of said commissioner by written authority, designated therein a period of time not extending beyond the period of three months, nor beyond the term of office of the said commissioner of public works, during which said power and duty may be exercised; and such designation and authority shall be duly filed in and remain on record in the department of public works. The said deputy commissioner of public works shall possess the like authority in the case of the absence or disability of the commissioner of public works.

1873, ch. 335, § 70, Comp. 281. Deputy. 59 How, 333, Powers of

§ 316. The department of public works shall have cognizance and control:

1873, ch. 335, § 71, Comp. 282, Department to have control of croton water, Streets, etc. 5 Rob 192. 15 Abb. N. S. 115. 1880, ch. 373.

1. Of all structures and property connected with the supply and distribution of Croton water.

2. Of the collection of the revenues arising from the sale or use of the Croton water.

3. Of opening, altering, regulating, grading, flagging, curbing, guttering, and lighting streets, roads, places, and avenues.

4. Of repairing and construction of public roads.

5. Of the care of public buildings, including the buildings known as the county court-house buildings.

6. Of the filling of sunken lots.

7. Of public sewers and drainage. 1862, ch. 361. Comp. 342.

8. Of street vaults and openings in sidewalks. 1868, ch. 879. 1874, ch. 505. Comp. 348.

9. Of paving, repairing, and repaving streets, and keeping the same clear of obstructions, and of the relaying of pavement removed for any cause. 1876, ch. 169. Comp. 349. 1879, ch. 508. Comp. 350.

10. Of digging and constructing wells. 1867, ch. 625. Comp. 346.

11. Of the care, management, and maintenance of the public baths.

12. Of the location, erection, establishment, and maintenance of public urinals.

§ 317. There shall be eight bureaus in the department of public works.

1873, ch. 335, § 72. Comp. 282. Bureaus.

1. A bureau for laying water-pipes, and the construction and repair of sewers, wells, and hydrants, paving and repairing streets; the chief officer of which shall be called "water purveyor." Water purveyor.

2. A bureau for the collection of revenue derived from the sale and use of water; the chief officer of which shall be called "water register." Water register.

Chief engineer of Croton aqueduct.

3. A bureau having care of all structures and property connected with the supply and distribution of Croton water; the chief officer of which shall be called "chief engineer of the Croton aqueduct," with power to appoint and remove at pleasure, and detail a staff of assistant engineers. He and they must be civil engineers of at least ten years' experience.

Superintendent of street improvem't

4. A bureau for grading, flagging, curbing, and guttering streets; the chief officer of which shall be called "superintendent of street improvements."

Superintendent of lamps and gas.

5. A bureau of lamps and gas; the chief officer of which shall be called "superintendent of lamps and gas."

6. A bureau of streets and roads; the chief officer of which shall be called "superintendent of streets."

Superintendent of repairs and supplies.

7. A bureau of repairs and supplies, which shall have cognizance of all supplies and repairs to public buildings, works, lands, and places, and all other necessary repairs and supplies not provided for in other departments; the chief officer of which shall be called "superintendent of repairs and supplies," and shall be a practical builder.

Superintendent of incumbrances.

8. A bureau for the removal of incumbrances on the streets or sidewalks or public grounds not inclosed in any park; the chief officer of which shall be called the "superintendent of incumbrances," to whom all complaints shall be made, and by whom such incumbrances shall be removed.

1878, ch. 380, § 2. Comp. 985. Street.

§ 318. The street or roadway through Washington park or square, running from Fifth avenue on the north to South Fifth avenue on the southeast, shall be continued in use as one of the public streets of said city under the charge of the department of public works.

1873, ch. 335, § 73, as amended. 1873, ch. 757, § 9, Comp. 283. To possess certain powers of department of public parks. 21, Hun. 533.

§ 319. The department of public works shall have and possess all the powers and functions at any time possessed by the department of public parks or the department of public works in relation to the construction of the boulevard (road or public drive), streets, avenues, and roads above Fifty-ninth street, except in the Twenty-third and and Twenty-fourth wards, and so far as the same are not embraced within the limits of or immediately adjacent to any park or public place, except as in this act otherwise provided; and all provisions of law conferring powers and devolving duties upon the department of public parks in relation thereto are transferred to and conferred upon the said department of public works. Said department shall also possess all the powers and perform all the duties formerly possessed by or devolved upon the Croton aqueduct board, except as in this act otherwise provided.

1871, ch. 290, § 11. Comp. 648. 1872, ch. 872, § 7, Comp. 303. Commissioner of public works to acquire title to streets and squares north of 59th st. Powers thereof. 48, How. 245.

§ 320. The commissioner of public works shall have and possess exclusive power to acquire title in the name and on behalf of the mayor, aldermen, and commonalty of the city of New York, in and to all public streets, avenues, roads, public squares, and places, laid out or that may be laid out, in all that part of the city of New York lying northerly of Fifty-ninth street in said city, south of One Hundred and Fifty-fifth street and not in the Twenty-third and Twenty-fourth wards, and in and about all proceedings therefor now pending or hereafter to be commenced, and all proceedings subsequent thereto, the said commissioner shall have and possess all the powers and perform all the duties by law conferred on and authorized to be performed by said mayor, aldermen, and commonalty of the city of New York.

1875, ch. 476, § 1, Comp. 351. Repavement of streets and aves.

§ 321. Whenever the commissioner of public work shall certify and report to the board of aldermen that the safety, health, or convenience of the public requires the repavement of any streets, ave-

nues, or public places in said city, said board of aldermen shall have the power to direct, by ordinance or resolution, the repavement of said streets, avenues, or public places in the manner specified and of the materials approved of and recommended by said commissioner of public works, which work shall be done by and under the direction of the department of public works according to law. In case any of the streets, avenues, or public places in said city shall have been once paved, and the expense therefor assessed upon the owners of adjoining and benefited property, the cost of the repaving thereof shall be borne by a general assessment upon all the taxable property in said city, but the amount appropriated and raised for such purpose shall not exceed the sum of five hundred thousand dollars in any one single year.

Cost of repaving.

§ 322. The department of public works shall have cognizance, control, and general direction in the relaying of all pavement removed for the purpose of constructing vaults or lateral drains, digging cellars, laying foundations of buildings or other structures, making sewer connections, or repairing sewers, and in the laying down of gas and water pipes, or introducing the same into buildings, or for any other purpose, and no removal of pavement for such purpose shall be made until a permit is first had from the said department.

1862, ch. 361, § 1, Comp. 342. Department of public works to control the relaying of certain pavements.

§ 323. Whenever any portion of the pavement in any street or avenue in said city shall have been removed for any of the purposes mentioned in the preceding section, and such pavement shall not be relaid in a manner satisfactory to the commissioner of public works, he may cause a notice in writing to be served upon the person or corporation by whom the same was removed, or, if such removal was for the purpose of making connection between any house or lot, and any sewer or pipes in the street, or for constructing vaults, or otherwise improving any house or lot, upon the owner or occupant of such house or lot, requiring such person or corporation, or the owner or occupant of such house or lot, to have such pavement properly relaid within five days after service of such notice. Such notice may be served upon the owner or occupant of a house or lot by leaving the same with any person of adult age upon said premises. In case such pavement or portion thereof shall not be relaid to the satisfaction of said commissioner within the time specified in such notice, it shall be lawful, and authority is hereby given to said commissioner to have such pavement, or the portion thereof which shall have been so unsatisfactorily laid, put in proper order and repair, in such a manner as the said commissioner may deem best, on account of the person or corporation by whom such pavement was removed, or of the owner of the premises for whose benefit such removal was made. Upon the cost of such work being certified to the comptroller of the City of New York by said commissioner, with a description of the lot or premises to improve with such removal was made, said comptroller shall pay the same, and the amount so paid shall become a lien and charge upon the premises so described, and on being certified by the comptroller to the collector of assessments and clerk of arrears, may be collected in the same manner that arrears of Croton water rents are collected under the direction of the collector of assessments and clerk of arrears. But if such removal was made by any person or corporation, and not for a connection between any house and sewer, or pipes, or to otherwise benefit any house or lot, upon the said commissioner certifying in writing such facts to the said comptroller with the cost of repair, and the name of the person or corporation by whom or by whose direction the pavement so repaired was removed, said comptroller shall pay such cost, and shall transmit a copy of the said certificate to the counsel to the corporation, who shall proceed

Id. § 2. Proceedings relating thereto.

Notice to be served.

Repair of pavement.

to collect the same by suit against the person or corporation by whom the pavement was removed, and such person or corporation are hereby made liable to pay the same. Upon the trial of any such suit the said certificate of the said commissioner shall be conclusive evidence of the cost of such repair.

1873, ch. 335; § 70. Comp. 83. 281, Unchanged. Obstructions on sidewalks, etc.

§ 324. It shall be the duty of the commissioner to remove all obstructions now existing, or which may hereafter be placed upon any street or sidewalk, or public ground not inclosed in any public park.

1873, ch. 335, § 70, Comp. 83, 281.

§ 325. Whenever the words "street commissioner" shall occur in any existing law, ordinance, resolution, contract, or document, it shall be deemed to mean the commissioner of public works, and whenever in any law, or in any ordinance of the corporation, the words "street department" shall occur, it shall be deemed and construed to mean the department of public works and the commissioner thereof.

1849, ch. 383, § 4. Comp. 291.

§ 326. The department of the public works shall have charge of the construction, repairs, and cleansing of all the sewers and underground drains, subject to the general plan which has been or may be adopted for the sewerage and drainage of said city, except those in the Twenty-third and Twenty-fourth wards.

1865, ch. 381, §1. 2. 3 Comp. 344. Sewerage districts maps of location, etc. of sewers. 3 Hun. 65, 62 N. Y. 618; 53 id. 647; 46 id 178; 63 id. 535; 47 id. 556; 52 How 120; 18 Hun. 582.

§ 327. The commissioner of public works shall have power to devise and frame, so far as the same has not already been done, a plan of sewerage and drainage of the whole of said city, except in the Twenty-third and Twenty-fourth wards, for the purpose of thoroughly draining and carrying off water and other matter proper to be carried off by sewers. The said commissioner shall, so far as the same has not already been done, lay out the said city into as many sewerage districts as he may deem necessary for the aforesaid purpose, and shall also determine and show, on suitable maps or plans, the location, course, size, and grain of each sewer and drain proposed for each of said districts, and the proposed alterations and improvements in existing sewers, and shall also determine and show on said maps or plans the contemplated depths of said sewers and drains below the present surface and also below the established grades of the streets and avenues in each of said districts, and such other particulars as may be necessary for the purpose of exhibiting a complete plan of the proposed sewerage therein. The said commissioner shall appoint and employ such engineers, surveyors, inspectors, and other persons, and take and acquire, in accordance with existing laws, such lands, as may be necessary for the prosecution of the work authorized by this section.

Commissioner to employ engineers, acquire lands, etc.

Id. § 4, Comp. 344, Maps to be permanent plans,

§ 328. Upon the completion of the map or plan for the drainage of any sewerage district, such map or plan shall be the permanent plan for the sewerage of such district, subject, however, to such subsequent modifications as may become necessary in consequence of alterations made in the grade of any street or avenue or part thereof in said district, or otherwise. Copies of such complete plans shall be made and filed by said commissioner in the offices of the board of aldermen and comptroller. The construction of the work under said plans shall have precedence over and shall not be interfered with by any work connected with other street improvements in said district.

Id. § 5, 6. Printed specifications of, and contracts for, work.

§ 329. The said commissioner, upon the completion of the plan of sewerage of any district, and the filing of copies thereof as required by the last preceding section, or as soon thereafter as may be convenient, shall cause printed specifications to be made in accordance with said plan of the work proposed to be done in said district, and shall thereupon invite proposals in the manner now required by law, and shall contract for the whole or any part of the work in said district. Upon the completion of the whole of the work embraced

in any contract made in pursuance of this title, the said commissioner shall file in the office of the board of assessors in said city, a certified statement of such completion, and of the nature and extent of the work done, and the prices upon which the contract was awarded, together with a written description and map of the property benefited by such work, in the manner now required by law in the matter of street improvements in said city. The expenses incurred by said commissioner in pursuance of this title, including the cost of land, shall be assessed upon the property benefited by the improvement made; and such assessment shall be laid and confirmed and collected in accordance with the laws relative to assessments now in force in said city.

Certificate of completion and nature of work.

§ 330. The said commissioner is authorized to insert in each contract made by him under this title, a provision that payments by monthly instalments of seventy per cent of the amount of work done will be made during the progress of the work, the remainder of the moneys to be retained until the confirmation of the assessment, and then paid in accordance with the terms or conditions of said contract. It shall be the duty of the comptroller, upon the requisition of the said commissioner, to pay all the expenses mentioned in the last preceding section, from the proceeds of assessment bonds to be issued in accordance with law.

1865, ch. 381, § 7, Comp. 344, Certain percentage of work done to be paid during progress of work.

§ 331. It shall not be lawful hereafter to construct any sewer or drain in the city, unless such sewer or drain shall be in accordance with the general plan devised by said commissioner for the sewerage of the particular district in which such sewer or drain is proposed to be constructed.

Id. § 8. All sewers to be in accordance with general plan of commissioner.

§ 332. In order to provide for the more effectual and economical construction of said sewers, the said commissioner may contract, in pursuance of law, for such materials used in the construction of sewers, and in such quantities as he may deem proper; and it shall be lawful for the comptroller to pay, on the requisition of said commissioner, from the proceeds of assessment bonds authorized to be issued for such materials, and the expenses for engineers, surveyors, inspectors, or other persons employed by authority of said commissioner, in the construction of sewers.

Id. § 9. as amended, 1866, ch. 551. § 1. Duty of commissioner of public works. Of comptroller.

§ 333. It shall be the duty of the commissioner of public works, upon the completion of any sewer constructed by virtue of the preceding sections, to certify to the board of assessors the quantity of materials used and the price thereof, and the charges for engineers, surveyors, inspectors, or other persons, which have been paid by virtue of the last preceding section, for each sewer constructed by such authority, in order that the expenses for said materials and labor may be properly apportioned, together with such other expenses as may lawfully be incurred in said construction on the property benefited by the said improvement.

Id. § 11. as amended, 1866, ch. 551, § 1. Comp. 345. Certificate to board of assessors.

§ 334. The commissioner of public works is hereby authorized and directed to complete the regulating, grading, curbing, and guttering, construction of roadways, flagging the sidewalks, the planting of shade trees, construction of sewers, and of the necessary retaining walls to support the roadways and sidewalks of the streets and avenues bounding Morningside park, according to such plans as the said commissioner may deem for the best interests of said city; all such work and the materials necessary therefor to be done and procured by one or more contracts made at public letting in the manner provided by law, except that the said commissioner is hereby authorized to appoint such engineer, or such other persons as he shall deem proper, to make the necessary surveys, estimates, plans, and specifications, and supervise the construction of the work herein mentioned to be done by said commissioner, and the

1880, ch. 565, § 1, Commissioner to complete grading, etc.

expense thereby incurred shall be included in the assessment for the work.

1880, ch. 565, § 2. Duty of commissioner to transmit board of assessors amount expended etc.

§ 335. It shall be the duty of the said commissioner to transmit to the board of assessors, upon the completion of said works, or any portion thereof, as the said commissioner may deem advisable, his certificate of the amounts heretofore expended upon said works, together with the expenditures hereafter incurred upon the same by him under the provisions of the preceding section.

Id. § 3. Change of grades of streets, etc.

§ 336. The said commissioner is hereby authorized and directed to change and adjust the grades of the streets and avenues bounding said park in such manner as he may deem necessary for the best interests of the public; provided that such altered grades shall, at the intersection of the centre line of any abutting street or avenue, coincide with the present established grade of such abutting street or avenue; and it shall be the duty of the said commissioner to file in the department of public parks, in the department of public works, and in the office of the register of the city and county of New York, a map or maps, duly certified by him, showing the grades of said streets and avenues as so changed and adjusted, and upon the filing of said map or maps as herein provided, the grades shown therein shall be deemed established as shown on said map or maps.

Id. § 4. Control of streets, etc.

§ 337. The department of public works shall have control of the care and maintenance of said streets and avenues, and the improvements upon the same, after completion.

Id. § 5. May place slope or batter of walls within limits of park.

§ 338. Permission and authority is hereby given to the commissioner of public works to place the slope or batter of the retaining walls within the limits of the said Morningside park, and the said commissioner and the contractors and their employés for doing said work may enter and occupy that part of Morningside park fronting the avenues adjacent thereto, for such time as may be required for the construction of said retaining walls and slope or batter as may be required to conform to plans and specifications of the department of public parks for the approaches or means of ingress or egress to or out of said Morningside park, shall be made or done by the department of public parks, and the work which the commissioner of public works is authorized to do, and the work required to be done in and about said retaining walls, slope, or batter, as herein described, to carry out the plans and specifications of the department of public parks, shall, as far as practicable, be prosecuted at the same time.

1880, ch. 367, § 1. 1881, ch. 567, § 1.

§ 339. The commissioner of public works shall, prior to the twenty-sixth day of June, eighteen hundred and eighty-three, lay out and establish a street of the width of not less than sixty feet running from Tenth avenue at or opposite One Hundred and Thirty-eighth street to Avenue St. Nicholas, with such windings and turnings, courses, and directions as in his judgment may best serve to promote the interest of the city and of the owners of property affected thereby, in that section of the city bounded northerly by a continuation easterly from Tenth avenue to Avenue St. Nicholas of the northerly line of One Hundred and Forty-third street, westerly by Tenth avenue, easterly by Avenue St. Nicholas, and southerly by the northerly and northeasterly line of the lands of the Female Academy of Sacred Heart and the southerly line of One Hundred and Thirty-third street extended and continued westerly from the Avenue Saint Nicholas until it meets the said northeasterly lines of the said lands of the said academy. And the said commissioner of public works is authorized to make such changes and alterations in the map or plan of the said portion of the said city by abandoning, closing, extending, widening, or narrowing the existing streets, avenues, or roads to such extent as may be necessary in order to properly conform to

Commissioner to lay out street.

Route.

Alteration of map

the new street authorized to be laid out by the provisions of this section. And he shall cause to be made a map of the said street which in addition to said street shall show such changes and alterations of streets, avenues, or roads or portions thereof, as may be required as aforesaid. The said map shall be signed by said commissioner and filed in the department of public works, and copies thereof certified by said commissioner shall be filed in the office of the secretary of state and of the register of the city and county of New York, and from the day of its filing it shall be conclusive upon the mayor, aldermen, and commonalty of the city of New York, and any and all persons whomsoever. But nothing herein contained shall be construed to authorize the laying out, opening, or construction of any street, avenue, or road through any cemetery. The street shall be opened and the lands necessary therefor acquired upon the application of the commissioner of public works, who shall make such application immediately upon the filing of said map for and on behalf of the mayor, aldermen, and commonalty of the city of New York, in like manner as is now provided by law for opening other streets, avenues, or roads in said city, but nothing in said laws contained shall authorize the discontinuance of such proceedings. The streets, avenues, and roads, and the portions thereof designated on said map as closed and abandoned may be closed by order of the supreme court upon the application of the commissioner of public works for and on behalf of the mayor, aldermen and commonalty of the city of New York, in like manner, as is now provided by law for closing streets, avenues, and roads in said city, and it shall be lawful to unite in one application or proceeding the opening of the said street, and the closing of any and all streets, avenues and roads designated upon said map as closed, or such parts thereof as it may be deemed best to close, and which intersect or lie adjacent to the said new street or avenue proposed to be opened in said proceeding. When the said street so laid out shall be opened as aforesaid, the said commissioner shall have the power to fix the grades thereof, and to change the existing grades of intersecting or contiguous streets, avenues or roads, so far as in his judgment may be necessary to secure a conformity of grades of all such streets, avenues and roads, with the grade of the new street laid out as provided in this section, and the same commisioner of public works shall within three months after the opening of the said street cause a map showing the grades thereof, and of the intersecting and contiguous streets, avenues and roads, so far as changed, to be made and filed in the department of public works and copies thereof certified by said commissioner shall be filed in the office of the secretary of state, and the office of the register of the city and county of New York, and the said maps, when so filed, shall be in all respects final and conclusive upon the mayor, aldermen, and commonalty of the city of New York, and upon all persons whomsoever, and shall thereafter be changed only by ordinances of the mayor, aldermen, and commonalty of the city of New York, upon the petition of the property-owners as now provided by law for changes of grades in other portions of said city. When title to such lands for the new street to be laid out under the provisions of this section, necessary therefor, shall have been acquired, the commissioner of public works shall, as soon as practicable, proceed to open said new street, and render and make it fit for travel by regulating, grading, paving or macadamizing, or otherwise improving it, or in any way or by any other process or means which he may deem best for the convenience of the public, and in his discretion curb, gutter and flag the same, and the sidewalks therof, and at the earliest practicable time throw the same open for public use, and no ordinances of the common council, or other authority than such as is conferred by this section, shall be necessary to authorize him to proceed forthwith

Map of new street

Lands to be acquired.

Grades, etc.

When title to lands have been acquired, street to be opened.

with such work; all such work, and the materials thereof, to be done and procured by one or more contracts made at public letting, in the manner provided by section sixty-four, except that the said commissioner is authorized to appoint such engineers or such other persons as he may deem proper to make the necessary surveys, estimates, plans and specifications, and supervise the construction of the work herein mentioned to be done by said commissioner, and the expense thereby incurred shall be included in the assessment of the work. It shall be the duty of the said commissior of public works to transmit to the board of assessors, upon the completion of said works, or any portion thereof, as the said commissioner may deem advisable, his certificate of the expenditures incurred upon the same by him under the provisions of this section, and the proceedings of laying and collecting assessments for work so certified shall be pursuant to the laws now or hereafter in force for laying and collecting assessments for local improvements in said city; assessments which are authorized for the expense of any work or materials procured, or service rendered under this section, may be laid separately, from time to time, upon the receipt by the said board of assessors of such certificate of the said commissioner.

Certificate of expenditures to be transmitted by comptroller to board of assessors

§ 340. The maps or plans filed by the commissioner of public works pursuant to the provisions of section one of chapter five hundred and eighteen of the laws of eighteen hundred and seventy-nine, of that portion of the city of New York lying between and bounded by One Hundred and Forty-fifth street on the south, the Eighth avenue on the east, the northerly side of One hundred and Fifty-fifth street on the north, and the Hudson river on the west, shall continue to be the lawful maps of said portion of the city.

1879, ch. 518, § 2, Comp. 1034. Opening of streets avenues & roads

§ 341. The streets, avenues, and roads shown upon said maps of said portion of the city, shall be opened upon the application of the commissioner of public works, in like manner as is now provided by law for opening other streets, avenues and roads in said city; but no street, avenue or road for the first time laid out under the provisions of the act in the last section referred to shall be opened without the consent in writing of the owners of three fifths of all the lands fronting on said street, avenue or road, and of three fifths of all the lands lying between such street, avenue or road, and the street, avenue or road parallel thereto, and the next adjacent on either side; and in case there shall be no such parallel street, avenue or road within a less distance than three hundred feet; then of the owners of three fifths of the lands lying within three hundred feet on either side thereof, first had and obtained.

Id. § 3. Grades.

§ 342. Whenever any street, avenue or road is so laid out and opened, the said commissioners shall have the power to fix the grades thereof, and to change the existing grades of intersecting streets, avenues, and roads. And the said commissioner shall, within three months after the opening of any such street, avenue or road, cause a map thereof, showing the grades thereof, and of the intersecting streets, avenues, and roads, to be made and filed in the department of public works, and copies thereof, certified by the said commissioner, shall be filed in the offices of the secretary of state and of the register of the city and county of New York, which said maps, when so filed, shall be in all respects final and conclusive upon the mayor, aldermen, and commonalty of the city of New York, and upon all persons whomsoever.

Map showing grades to be made and filed.

1871, ch. 742, § 13, Comp. 401.

§ 343. The commissioner of public work is authorized and empowered, in his discretion, on the application in writing of the head of the fire department, to grant to said department locations for apparatus houses of said department on any of the public property, streets or slips under the control of the department of public works;

provided the same are so located and constructed as, in the judgment of the commissioner of public works, will not disfigure nor mar the appearance of the same, nor interfere with the purposes of travel or public recreation; and if placed upon any avenue, street, or slip, shall not reduce the width of the same between the curbs, for the purposes of travel, at the place of such location, to be less than thirty feet on each side of such building.

§ 344. Whatever work, if any, may be necessary to complete the county court-house buildings shall be proceeded with by the commissioner of public works, when authorized by the board of estimate and apportionment. No such work shall be authorized by said board until a special appropriation is made to provide for the cost of the same, and it shall not be lawful for the head of said department to exceed the amount so appropriated in completing the buildings.

1880, ch. 373, § 2. Head of department of public works to proceed with work.

§ 345. After lands shall have been acquired in the Ninth ward for a public market-place for farmers and market gardeners, as provided by law, the commissioner of public works shall prepare the same for occupancy, and shall have power to purchase and erect the necessary appurtenances and structures for the purposes aforesaid, under such restrictions as have been or shall be established by law for the control of the expenditures of the departments of said city.

1880, ch. 191, § 3. Commissioner to prepare land in ninth ward.

§ 346. The mayor, aldermen, and commonalty, by the department of public works, are authorized and directed to maintain nine free public floating baths, one of which shall be located in the East river, one in the Hudson river, one at Seventeenth street and East river, one in the Fifth ward, and the others at places designated by the commissioner of public works, which shall be and remain under the exclusive control and management of the said department of public works.

1868, ch. 879, Comp. 347. 1874, chap. 505, Comp. 348. 1876, ch. 169, Comp. 349. 1879, ch. 508. Comp. 350. 1881, ch. 447, § 4. Floating baths.

§ 347. The commissioner of public works is authorized and empowered to locate, erect, and establish public urinals within the boundaries of any street, avenue, public place, or thoroughfare, in said city, as he may from time to time deem advisable, and connect the same by drains or suitable pipes with any adjacent sewer. After the erection and completion of said public urinals, it shall be the duty of the department of public works to provide for their maintenance and cleanliness; and every person defacing or damaging said constructions, or writing or posting notices, figures, or devices thereon, shall, on conviction before any police justice of said city, be subject to a penalty of fifty dollars, or imprisonment for the term of three months in the penitentiary of said city and county in the discretion of said justice.

1867, ch. 625, §§ 1, 2, Comp. 346. Location of public urinals.

Maintenance and cleanliness of.

§ 348. It shall be the duty of the commissioner of public works to proceed, in the manner provided by law, and complete the regulating, grading, curbing, guttering and flagging of First avenue, from Ninety-second street to One hundred and Ninth street.

Regulate First avenue.

§ 349. The commissioner of public works is hereby authorized and directed to remove the pipes connecting with the reservoir on Fifth avenue, between Fortieth and Forty-second streets, and to lay another main in Fifth avenue, between Fortieth and Forty-second streets, to connect the mains now leading in and out of the said reservoir. He is further directed to remove the structure and grade the ground now occupied by the said reservoir to the level of the adjacent streets in a suitable manner for the purpose of a park.

1881 ch. 456, § 1. Pipes to reservoir.

Title 2. Duties and Powers of the Department as to Procuring and Distributing Water.

1871, ch. 574, Comp. 341. Scale of water rents. 5 Abb. N. C. 51. 1849, ch. 383, § 18. Comp. 292.

§ 350. The commissioner of public works shall from time to time establish scales of rents for the supplying of water, which rents shall be collected in the manner now provided by law, and which shall be apportioned to different classes of buildings in said city in reference to their dimensions, values, exposure to fires, ordinary uses for dwellings, stores, shops, private stables, and other common purposes, number of families, or occupants, or consumption of water, as near as may be practicable, and modify, alter and amend and increase such scale from time to time, and extend it to other descriptions of buildings and establishments. Such rents shall be collected from the owners or occupants of all such buildings, respectively, which shall be situated upon lots adjoining any street or avenue in said city in which the distribution water pipes are or may be laid, and from which they can be supplied with water. Said rents shall become a charge and lien upon such houses and lots, respectively, as herein provided.

Scale of rents to be established for Croton water.

1879, ch. 480, §§ 2, 3, Comp. 239. Power and duties of commissioner of public works. Water rates or charges.

§ 351. The commissioner of public works is authorized, on behalf of the mayor, aldermen and commonalty to contract from time to time with the city of Yonkers, or the board of water commissioners of the city of Yonkers, for a supply of wholesome water for the Twenty-fourth ward, from the water-works or water belonging to them, or under their charge and control, for such time in such quantities, and at such prices as may be agreed upon by them. The said commissioner of public works is authorized and directed to procure, purchase, and lay, provide and make ready for use, from time to time, so many mains and pipes and other means and appliances, and erect so many hydrants as may be necessary and sufficient to distribute and supply the water so procured under contract with the city of Yonkers, to and through the Twenty-fourth ward, or such part of it as may require or be in need of the same, and which cannot, or ought not in his judgment, be supplied from the Croton water-works, and to purchase, provide, do, and perform all things necessary or proper to enable the said Twenty-fourth ward, or said part, and the inhabitants thereof, to obtain and have an abundant supply of water at all times, and for such purpose, in case of necessity or convenience, to arrange and agree with the owners of lands in said ward for an irrevocable license or permission to enter upon, lay, repair, keep in order, protect, and maintain mains, pipes, conduits, and hydrants in, through, and upon said lands. The commissioner of public works is authorized to fix, and from time to time to alter, special rates or charges for water supplied to any house or building, or to any other erection or structure in the Twenty-fourth ward, including washers and hydrants, and to make such arrangements and rules as may be proper to ascertain the quantity of water used therein or by means thereof, and such rates and charges shall be a lien until paid upon the lands upon which such house, building, or other erection or structure may stand or be situated, and shall be collectible at the same time and in the same manner, including sales for unpaid taxes, as the ordinary tax imposed on the same lands.

1873, ch. 335, § 73, Comp. 84, 283. Water meters.

§ 352. The commissioner of public works is authorized, in his discretion, to cause water-meters, the pattern and price of which shall be approved by the mayor, comptroller, and chief engineer of the Croton aqueduct, to be placed in all stores, workshops, hotels, manufactories, public edifices, at wharves, ferry-houses, stables, and in all places in which water is furnished for business consumption

by the department of public works, except private dwellings, so that all water so furnished therein or thereat may be measured and known by the said department, and for the purpose of ascertaining the ratable portion which consumers of water should pay for the water therein or thereat received and used. Thereafter, as shall be determined by the commissioner of public works, the said department shall make out all bills and charges for water furnished by them to each and every consumer as aforesaid is affixed, in table proportion to the water consumed, as ascertained by the meter on his or her premises or places occupied or used as aforesaid. All expenses of meters, their connections and setting, water rates and other lawful charges for the supply of water, shall be lien upon the premises where such water is supplied as now provided by law. Nothing herein contained shall be construed so as to remit or prevent the due collection of arrearages or charges for water consumption, heretofore incurred, nor interfere with the proper liens therefor, nor of charges, or rates, or liens hereafter to be incurred for water consumption in any dwelling house, building, or place which may not contain one of the meters aforesaid. The moneys collected for expenses of meters, their connections and settings, shall be applied by the commissioner of public works to the payment of expenses incurred in procuring, connecting and setting said meters.

Expenses for meters, etc., a lien on premises.

1871, ch. 213, § 5, Comp. 311. Money collected for meters, connections, etc.

§ 353. The annual rents which are not paid to the department of public works before the first day of August in each year, shall be subject to an additional charge of five per cent, and those rates not paid before the first day of November in each year shall be subject to an additional charge of ten per cent.

1849, ch. 383, § 20, Comp. 293. Rents in arrears.

§ 354. No patent hydrant, valve, or stop-cock shall be used by the department of public works unless the patentee or owner of said patent shall allow the use of the patent by the department without royalty.

1871, ch. 381, § 1, Comp. 313. Unchanged.

§ 355. The rules and restrictions for the use of the water, printed on each permit, shall be notice to the water-takers, and shall authorize the exaction and recovery by process of law of any penalties which the commissioner of public works may impose in addition to cutting off the use of the water for any violation of the rules, and this section shall be printed on such permits.

1849, ch. 383, § 27, Comp. 292. Rules printed on permits to be notice to water-takers.

§ 356. The commissioner of public works, when thereunto authorized by a resolution or ordinance passed by a three-fourths vote of all the members elected to the common council, to be approved by the mayor, is authorized to expend for materials to be used and labor and other services to be performed by contract, let at public letting, as now provided by law, in laying pipes to extend and enlarge the distribution of water through the city of New York, and in furnishing a sufficient supply thereof to the institutions in charge of the department of public charities and correction located on Blackwell's Island, Ward's Island, and Randall's Island, and in laying mains necessary to deliver such water at higher levels and in greater quantities, and erecting such fixtures as he may deem necessary, in each and every year a sum not exceeding two hundred and fifty thousand dollars in addition to the amounts heretofore authorized to be expended for said purposes.

1879, ch. 381, § 1, Comp. 312. When and how distribution of water may be extended.

§ 357. The department of public works is charged with the preservation of the Croton lake and all waters from which a water supply is drawn by the city, with the preservation of the banks of the Croton river and other waters from injury or nuisances, with the execution of such measures as may be necessary to preserve and increase the quantity of water and keep it pure, with the management, preservation, and repairs of the dam, gates, aqueduct, high bridge, reservoirs, mains, pipes, pipe yard, and property of every description

1849, ch. 383. § 4, Comp. 201. Department to have charge of Croton lake and river, etc.

belonging to the water works, and shall have the construction of such new works, and the purchase and laying down of such mains and pipe as may be authorized in accordance with law. Said department shall be responsible for the supply of water, and the good order and security of all the works from the Croton lake to the city, inclusive, for the exactness and durability of the structures which may be erected and of the daily work to be performed, and for the sufficiency of the supply in the pipe yard to meet every casualty, and for the fidelity, care, and attention of all persons employed by the department in watching the works and in making constructions and repairs, and shall inspect thoroughly the interior of the aqueduct and make the necessary repairs at least twice in the year.

Supply of water and security of the works.

1836, ch. 468, §§ 1, 2, Comp. 288. Land, how to be used.

§ 358. The lands situate in the county of Westchester which were taken by the corporation of the city and county of New York, by virtue of the act entitled "an act to provide for supplying the city of New York with pure and wholesome water," passed May second, eighteen hundred and thirty four, shall be held as appropriated by the said corporation only for the use and purpose of introducing water into the city, and for purposes necessarily incident thereto, and for no other uses or purposes whatever. In case said corporation should use any of said lands situate in the county of Westchester for purposes other than in this section permitted; or in case said land should not be required for the purpose of introducing water into the city, such lands so improperly used, or not so required, shall become revested in the individual from whom the said corporation obtained it, as fully and perfectly as though the said act had never been enacted, upon repaying to said corporation the amount originally paid for the same, after deducting from such amount the damages sustained by such individual by reason of any alteration or work which the said corporation may have made upon said land.

Condition.

Fences. Id. §§ 3, 3.

§ 359. The corporation of the city of New York shall, at the expense of the said corporation, erect and sustain all fences which may be required to protect the works upon said last-mentioned lands from injury, and shall, whenever said aqueduct shall intersect the land in the said county of Westchester belonging to an individual or individuals, erect and sustain at the expense of the said corporation convenient passes across or under the aqueduct erected by virtue of said act for the farming and other purposes of the land thus intersected.

1877, ch. 245, § 21, Comp. 236. Highways, repair of.

§ 360. The city of New York is hereby required to repair and forever maintain the highways built or in process of construction by the said city around the new water reservoir, on the middle branch of the Croton river, in the town of South East.

1866, ch. 502, § 1, Comp. 341. Lands for reservoirs, etc., to be taxed.

§ 361. The lands heretofore taken or to be taken for storage, reservoirs, or for other constructions necessary for the introduction and maintenance of a sufficient supply of water in the city, shall be assessed and taxed in the counties, in which they are or may be located, in the manner prescribed by law, at the value of the lands, exclusive of the aqueduct, and the constructions and works necessary for its purposes; and the said aqueduct, with such aforesaid constructions or works, and the capital therein employed, and belonging to the corporation of the city of New York, shall be assessed and taxed only within the city and county of New York, and in the same manner as personal property of the said corporation now is or may hereafter be assessed and taxed, provided that the assessed value of the said lands shall not exceed the assessed value of the lands in the immediate neighborhood thereof.

1845, ch. 137, §§ 1, 2, Comp. 340. Prohibition.

§ 362. It shall not be lawful for any person to throw or deposit, or cause to be thrown or deposited in the Croton lake, above the Croton dam, or in the Croton aqueduct, or either of the Croton reser-

voirs, any dead animal or nuisance, or other offensive matter, or anything whatever. Any person offending against the provisions of this section shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by fine or imprisonment, or both, in the discretion of the court; such fine not to exceed the sum of one hundred dollars, and such imprisonment not to exceed the period of three months. If the offence is committed in the county of Westchester, such imprisonment to be in the jail of said county; if in the city and county of New York, such imprisonment to be in the penitentiary.

1849, ch. 383. Penalty.

§ 363. If any person shall wilfully do or cause to be done any act whereby any work, materials, or property whatever erected or used, or hereafter to be erected or used within the city or elsewhere, by the said mayor, aldermen and commonalty, or by any person acting under their authority, for the purpose of procuring or keeping a supply of water, shall in any manner be injured, or shall erect or place any nuisance on the banks of the Croton river, or shall throw anything into the aqueduct, or into any reservoir or pipe, such person, on conviction thereof, shall be deemed guilty of a misdemeanor.

1849, ch. 383, § 17, Comp. 292. Penalty for injuring the works, etc. See 1842, ch. 225.

§ 364. In all cases where the commissioner of public works shall have entered upon, taken, or used, or shall hereafter enter upon, take, or use, or shall deem it necessary to enter upon, take, or use the waters of any lake or any upland, or any land under water, or water rights or privileges, or any incorporeal hereditaments or any other property, for the purpose of maintaining, preserving or increasing the supply of pure and wholesome water for the use of said city, the said commissioner is authorized, for and in behalf and in the name of the mayor, aldermen, and commonalty, in the manner hereinafter prescribed, to acquire all rights, titles, and interests in and to such real estate by whomsoever the same may be held, enjoyed or claimed, and to pay for and extinguish all claims or damages on account of such rights, titles, or interests, or growing out of such taking or using.

1877, ch. 445, § 1. Comp. 326. Acquisition of land for obtaining water supply. See 1869, ch. 28.

§ 365. The said commissioner, his engineers, surveyors, and such other persons as may be necessary to enable him to perform his duties under this title are hereby authorized to enter upon any land or water for the purpose of making surveys, or examinations, and to agree with the owners, occupants, or claimants of any real estate which may have been required and damaged, or which hereafter may be required or damaged in carrying into effect the provisions of title, as to the amount of compensation to be paid to such owners, occupants, or claimants, and the time and manner of such payments. And in case any such real estate shall be owned, occupied, or enjoyed by the people of this State, or by any county, town, or school district within this State, such rights, titles, interests or properties may be paid for upon agreement, respectively, with the commissioners of the land office, who shall act for the people of this State, with a chairman and a majority in numbers of the board of supervisor and commissioners of highway in any town who shall act for such town, and with the trustees of any school district that shall act for such district.

Id. § 2. Entry upon land, etc.

Damages, settlement of.

§ 366. In case the said commissioner of public works is unable to agree with the said owner or owners, occupant or occupants, claimant or claimants of any such real estate, or with any or either of such officers as to the sum or sums to be paid for the acquisition or extinguishment of any such real estate, or of any right, title, or interest thereto or therein, for carrying into effect the purposes of this title, the said commissioner of public works shall have the right to acquire such real estate, or to extinguish any such right, title or in-

Id. § 3. Comp. 327. Proceedings in case parties cannot agree.

terest thereto or therein, for the mayor, aldermen and commonalty of the city of New York in the manner and by the special proceedings hereinafter provided.

Id. § 4. Petition for appointment of commissioners.

§ 367. For the purpose of acquiring any such real estate or of extinguishing any right, title, interest thereto or therein, the said commissioner of public works, for and in behalf of the said mayor, aldermen and commonalty of the city of New York, may present a petition praying for the appointment of commissioners of appraisal to the supreme court, at any general or special term thereof, held in the district in which the real estate described in the petition may be situated. Such petition shall be signed and verified according to the practice of such court. It must contain a general description of the real estate which the said commissioner seeks to acquire, and of the rights, titles, and interests therein which he seeks to extinguish, and also a general statement of the names and places of residence of the parties, so far as the same can by reasonable diligence be ascertained, who own, occupy, or enjoy, or who claim to own, occupy, or enjoy, any such real estate, or any right, title or interest therein, and if any of such persons are infants, their ages, as near as may be, must be stated; and if any of such persons are idiots, or persons of unsound mind, or are unknown, that fact must be stated, together with such other allegations and statements of liens or incumbrances upon such rights, titles, and interests as the said commissioner may see fit to make. A copy of such petition, with a notice of the time and place the same will be presented to the supreme court, must be served on all persons whose interests are to be affected by the proceedings at least ten days prior to the presentation of the same to the said court.

Notice, service of.

1. If the person on whom such service is to be made resides in this State, and is not an infant, idiot, or person of unsound mind, service of a copy of such petition and notice must be made on him, or his agent or attorney, authorized to contract for the sale or surrender of the real estate described in the petition, personally; or by leaving the same at the usual place of residence of the person on whom such service must be made as aforesaid with some person of suitable age.

Non-residents.

2. If the person on whom such service is to made resides out of the State, and has an agent, residing in this State authorized to contract for the sale or surrender of the property described in the petition, such service may be made on such agent, or on such person, personally, out of the State, or it may be made by publishing the notice, stating briefly the object of the application, and giving a description of the property to be taken or affected, in the State paper, and in a paper printed in the county in which the real estate taken or affected is situated, once in each week for one month next previous to the presentation of the petition; and if the residence of such persons residing out of this State, but in any of the United States, or any of the British colonies in North America, is known, or can, by reasonable diligence, be ascertained, the said commissioner must, in addition to such publication as aforesaid, deposit a copy of the petition and notice in the post-office, properly folded and directed to such person at the post-office nearest the place of residence at least two weeks before presenting such petition to the court, and pay the postage chargeable thereon in the United States.

Minors.

3. If any person on whom such service is to be made is under the age of twenty-one years, and resides in this State, such service shall be made as aforesaid on his general guardian, or, if he has no such guardian, then on such infant, personally, if he is over the age of fourteen years, and if under that age, then on the person who has the care of such infant, or with whom such infant resides.

4. If the person on whom such service is to be made is an idiot, or of unsound mind, and resides in this State, such service may be made on the committee of his person or estate, or if he has no such committee, then on the person who has the care or charge of such idiot or person of unsound mind. Idiots, etc.

5. If the person on whom such service is to be made is unknown, or his residence is unknown and cannot, by reasonable diligence, be ascertained, then such service may be made under the direction of the court, by publishing a notice, stating the time and place the petition will be presented, the object thereof, with a general description of the property to be affected by the proceedings, in the State paper, and in a paper printed in the county where the property is situated, once in each week, for two weeks previous to the presentation of such petition. Unknown owners.

6. In case any party to be affected by the proceedings is an infant, idiot, or person of unsound mind, and has no general guardian or committee, the court shall appoint a special guardian or committee to attend to the interests of such person in the proceedings; but if a general guardian or committee has been appointed for such person in this State, it shall be the duty of such general guardian or committee to attend to the interests of such infant, idiot, or person of unsound mind, and all notices required to be served in the progress of the proceedings may be served on such general or special guardian or committee.

7. In case the people of this State or any county of this State, or any town of this State, or any common school district within this State, or any corporation organized under the laws of this State, shall own, occupy, or enjoy any real estate which is to be acquired or affected in carrying into effect the purposes of this title, such notice and petition may be served in the manner hereinbefore prescribed, upon the following officers, respectively; upon the clerk to the commissioners of the land office, in behalf of the people of the State; upon the clerk of the board of supervisors of any county, in behalf of such county; and upon the supervisor of any town, and the commissioners of highways in any town, in behalf of such town; upon the trustees of any school district, in behalf of such district; and upon the acting chief executive officer of any corporation, in behalf of such corporation. Corporations, municipalities, etc.

8. In all cases not herein otherwise provided for, service of orders, notices, and other papers in the special proceedings authorized by this title, may be made as the supreme court shall direct.

9. Whenever there shall be one or more of the estates, enumerated in article one of title two of chapter one of the second part of the revised statutes, entitled "Of the creation and division of estates", in any real estate, as the term real estate is defined in section three hundred and seventy-nine, required by the city of New York for the purpose mentioned in section three hundred and sixty-four, such estate and real estate may be acquired by said city by means of the special proceedings authorized by this section. 1881, ch. 582, § 1. Real estate may be acquired.

In every such case the commissioner of public works, in addition to the other statements, shall set forth and state in his petition the facts, so far as the same can with reasonable diligence be ascertained, in relation to any such estate, and the person, persons, or class of persons then in being or not in being, who are or may become entitled in any contingency to any estate as aforesaid in such real estate, and may pray that such estate may be acquired and such persons may be bound by the said proceedings; and thereupon the court to whom such petition is presented, if there be no attorney appearing in their behalf, shall appoint some competent and disinterested attorney or officer of the court to appear in such proceed- Proceedings to acquire same.

ing and represent the rights, interests, and estate of the person, persons, or class of persons aforesaid in such real estate, and to protect the same on the appraisal and proceedings aforesaid; and it shall be the duty of the court, on or after the confirmation of the report of appraisal, to assertain by such report or by a reference for that purpose or otherwise, in its decretion, the rights, interest, and estate of such person, persons, or class of persons, in the real estate so appraised, and in the compensation awarded therefor, and to make an order determining the amount of share of such compensation to which such person, persons, or class of persons are or may become entitled on account of such estate, as the same shall arise or become vested in them respectively, and to direct and to provide for the payment, investment, or securing thereof, for the benefit of the person, persons, or class of persons aforesaid, who are or who may, in the contingency upon which such estate arises, become entitled thereto. Upon the payment or deposit by the comptroller of the city of New York of the sums to be paid for the acquisition of such real estate in the manner provided in section three hundred and seventy-one, and in the manner directed by order of court the said commissioner of public works, for and in behalf of the said the mayor, aldermen, and commonalty of the city of New York, shall be entitled to enter upon, take possession of, and use the said real estate for the purposes indicated, and such person, persons, or class of persons as are or may become entitled to such estate shall be barred of and from all right or claim in and to such land adverse to its use and occupation by the said commissioner or by the said, the mayor, aldermen, and commonalty. This section shall apply to all special proceedings brought prior to the twenty-fifth day of June, eighteen hundred and eighty-one, under chapter of four hundred and forty-five, of the laws of eighteen hundred and seventy-seven, and the various acts amendatory thereof, which proceedings had not been on that day concluded.

1881, ch. 582, § 5, Comp. 329. Appointment of commissioners.

§ 368. On presenting such petition to the supreme court as aforesaid, with proof of service of a copy thereof and notice as aforesaid, all or any of the parties whose estates or interests are to be affected by the proceedings may show cause against granting the prayer of the petition, and may disprove any of the facts alleged in it. The court shall hear the proofs and allegations of the parties, and if no sufficient cause is shown against granting the prayer of the petition, it shall make an order for the appointment of three disinterested and competent freeholders, who reside in the county (or some adjoining county) where the property to be appraised is situated, commissioners to ascertain and appraise the compensation to be made to the parties interested in the real estate proposed to be taken or affected, or theretofore taken or affected in such county for the purposes indicated in this title, and to fix the time and place for the first meeting of the commissioners.

Id. § 6. Duties and powers of commissioners.

§ 369. The said commissioner shall take and subscribe the oath prescribed by the twelfth article of the constitution. Any one of them may issue subpœnas and administer oaths to witnesses, and any such witness sworn and examined and testifying falsely shall be deemed guilty of perjury, and shall be liable to the pains and penalties imposed by law for that offence. Such subpœnas may be served within this State by any person, and must be served by any sheriff or constable when thereunto required; in case of the failure or refusal of any witness so subpœnaed to obey such subpœna, or to answer any question, or to produce any books or papers when thereunto required by a majority of the said commissioners, the commissioners, or a majority of them, shall report such failure or refusal to a justice of the supreme court in the said judicial district in which said commissioners were appointed, before whom the same

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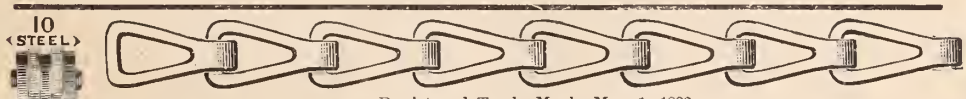

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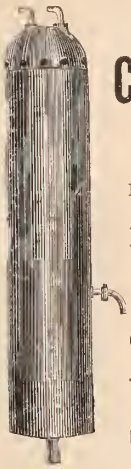

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proceedings shall thereupon be had as though such failure or refusal were that of a witness duly subpœnaed to appear and testify upon the trial of an action before such justice, and such justice shall in all respects proceed as though such subpœna had issued out of the court in which he presides; a majority of such commissioners may adjourn the proceedings before them from time to time, in their discretion. They shall view the property described in the petition, and hear the proofs and allegations of the parties, and reduce the testimony taken by them if any, to writing, and after the testimony in each case is closed, they, or a majority of them, all having an opportunity to be present, shall, without any unnecessary delay, ascertain and determine the compensation which ought justly to be made by the said mayor, aldermen, and commonalty of the city of New York to the owners or the persons interested in the rights, titles, and privileges to be acquired or affected by the said proceeding. They, or a majority of them, shall also determine what sum ought to be paid to the general or special guardian or committee of an infant, idiot, or person of unsound mind, or to an attorney appointed by the court to attend to the interest of any unknown owner or party in interest, not personally served with notice of the proceedings, and who has not appeared, for costs, expenses, and counsel fees. They, or a majority of them, shall also (but not in excess of any request therefor made in behalf of the city) determine the height to which the waters of any lake or natural stream, concerning which such proceedings are instituted, may be raised, and the point to which such waters may be drawn down by the said the mayor, aldermen, and commonalty, such determination to be made before any award of damage shall be made on account of such proposed raising or depressing of such waters. The said commissioners shall make a report of their proceedings to the supreme court, with the minutes of the testimony taken by them, if any; and they shall be entitled to the payments hereinafter provided for their services and expenses, to be paid from the fund hereinafter provided.

See 1879, ch. 28, § 1

Report.

§ 370. On such report being made by said commissioners, the counsel to the corporation shall give notice to the parties, or their attorneys, to be affected by the proceedings, according to the rules and practice of said court at a general or special term thereof for the confirmation of such report, and shall make an order containing a recital of the substance of the proceedings in the matter of the appraisal and a general description of the real estate appraised, for which compensation is to be made; and shall also direct to whom the money is to be paid, or in what bank and in what manner it shall be deposited by the comptroller of the city.

1877, ch. 445, § 7. Comp. 330.

Confirmation of.

§ 371. A certified copy of the order, to be made as aforesaid, shall be recorded at full length, in the office of the clerk of the county in which the real estate described in is situated, and thereupon and on the payment or deposit by the comptroller of the city of the sums to be paid as compensation for the acquisition of such real estate, or for the extinguishment of any right, title, or interest therein, and for the costs, expenses, and counsel fees as directed by said order, the said commissioner of works, for and in behalf of the said the mayor, aldermen, and commonalty, shall be entitled to enter upon, take possession, and use the said real estate for the purposes indicated in this title, and all parties mentioned in this title who shall have been made parties to the proceedings, together with all parties claiming or to claim, by, through, or under them, shall be forever divested and barred of all right, estate, and interest in such real estate, and of all claim for any damage on account of the taking, using, or affecting of such real estate, or of any right, title, or interest therein. All real estate acquired by the said the mayor, aldermen, and commonalty, under and pursuant to the pro-

Id. § 8. Comp. 331. To be recorded.

visions of this title, shall be deemed to be acquired for public use.

Appeal.

Within twenty days after the confirmation of the report of the commissioners, as provided for in the preceding sections, either party may appeal, by notice, in writing to the other, to the supreme court from the appraisal and report of the commissioners. Such appeal shall be heard by the supreme court at any general or special term thereof on due notice thereof being given, according to the rules and practice of said court. On the hearing of such appeal, the court may direct a new appraisal and determination of any question passed upon before the same or new commissioners in its discretion, but from any determination of the general term, either party, if aggrieved, may take an appeal, which shall be heard and determined by the court of appeals. In case of a new appraisal, the second report shall be final and conclusive on all the parties interested. If the amount of compensation to be made by the said city is increased by the second report, the difference shall be a lien on the real estate appraising, and shall be paid by the comptroller of the city to the parties entitled to the same, or shall be deposited in bank, as the court may direct; and if the amount be diminished, the difference shall be refunded to the said mayor, aldermen, and commonalty by the party to whom the same may have been paid, and judgment therefor may be rendered by the court, on the filing of the second report, against the party liable to pay the same. Such appeal shall not affect the possession by the said city of the real estate appraised; and when the same is made by others than the said city it shall not be heard except on the stipulation of the party appealing not to disturb such possession.

Id. § 6. Adverse and conflicting claims to money.

§ 372. If there are adverse and conflicting claimants to the money, or any part of it, to be paid as compensation for the real estate taken or affected, the court may direct the money to be paid into the said court by the said comptroller, and may determine who is entitled to the same and direct to whom the same shall be paid, and may, in its discretion, order a reference to ascertain the facts on which such determination and order are to be made.

Id. § 10. Comp. 332. Interest of unknown parties.

§ 373. The court shall appoint some competent person to appear for and protect the rights of any party in interest who is unknown, or whose residence is unknown, and who has not appeared in the proceedings by an attorney or agent. The court shall also have power, at any time, to amend any defect or informality in any of the special proceedings authorized by this title as may be necessary, or to cause new parties to be added and to direct such further notices to be given to any party in interest as it deems proper, and also to appoint other commissioners in place of any who shall die or refuse or neglect to serve or be incapable of serving.

Proceedings in case of defective titles. 1877, ch. 445, § 11.

§ 374. If, at any time, after an attempt to acquire title by appraisal of damages or otherwise; it shall be found that the title thereby attempted to be acquired is defective, the said city may proceed anew to acquire or perfect such title in the same manner as if no appraisal had been made, and at any stage of such new proceedings the court may authorize the said city, if in possession, to continue in possession, and if not in possession to take possession and use such real estate during the pendency and until the final conclusion of such new proceedings, and may stay all actions or proceedings against the said city on account thereof on the comptroller of said city paying into court such sum as the court may direct, to pay the compensation therefor when finally ascertained, and in every such case, the party interested in such real estate may conduct the proceedings to a conclusion if the said city delays or omits to prosecute the same. And if, at any time, the said city shall require, for the purposes indicated in this title, to acquire any additional real estate, or to extinguish any other or further

rights, titles, or interests therein in addition to that which it has already acquired or extinguished, said city may acquire such additional real estate or extinguish such additional rights, titles, interests therein, or any such real estate, or any right, title or interest therein which it now uses or occupies, or which it has heretofore used or occupied, by purchasing the same of the persons or parties, owning the same or interested therein, or affected by such proceedings, and by paying to such parties such damages as they may sustain by reason thereof if the amount of such compensation or damages can be agreed upon between such commissioner of public works and such persons or parties; and if such commissioner of public works shall, for any cause, be unable to agree upon the sum which shall be paid to such persons or parties in satisfaction of the damages they may sustain, or if the title to any such real estate or rights already acquired or extinguished, or attempted to be acquired or extinguished, shall, for any cause, prove defective or imperfect, then and in every such case such commissioner of public works may proceed to acquire and perfect title to such real estate or rights, and to ascertain and appraise such damages in the manner and by the proceedings hereinbefore in this title prescribed.

Additional real estate, acquisition of.

§ 375. The commissioner of the land office shall have power to grant to the said city any real estate belonging to the people of this State which may be required for the purposes indicated in this title on such terms as may be agreed on between them and the said commissioner of public works, always, however, reserving and maintaining the rights of the people and riparian owners to go to the water at any point to which the same may be drawn; and if any real estate of any county, town, or school district is required by such city for the purposes of this title, the majority of the board of supervisors acting for such county, or the supervisors of any such town, with the commissioners of highways therein acting for such town, or the trustees of any school district acting for such district, may grant or surrender such real estate for such compensation as may be agreed upon between such officers, respectively and the said commissioner of public works.

Id. 12. Comp. 333. Commissioners of land office, powers of.

Supervisors, etc.

§ 376. In case any real estate required by said city for the purpose of this title shall be vested in any trustee not authorized to sell, release, and convey the same, or in any infant, idiot, or person of unsound mind, the supreme court shall have power, by a summary proceeding on petition, to authorize and empower such trustee or general guardian or committee of such infant, idiot, or person of unsound mind, to sell, convey, or surrender the same to the said city on such terms as may be just; and in case any such infant, idiot, or person of unsound mind has no general guardian or committee, the court may appoint a special guardian or committee for the purpose of making such sale, surrender, or conveyance, and may require such security from such general or special guardian or committee as said court may deem proper. But before any conveyance or release authorized by this section shall be executed, the terms on which the same is to be executed shall be reported to the court on oath, and if the court is satisfied that such terms are just to the party interested in such rights, titles, interests, or property, the court shall confirm the report and direct the proper conveyance or release to be executed, which shall have the same effect as if executed by an owner of such rights, titles, interests, or property having legal power to sell, surrender, and convey the same.

Id. 13. Proceedings when real estate is vested in persons not competent to act.

§ 377. In all cases where the commissioner of public works shall have heretofore entered upon, taken, or used any real estate, either with or without the license of the owner thereof, for the purpose of increasing the supply of water for the city, and the title to such real estate shall not have been acquired by said city, either by purchase

Id. 14. Lands already taken, proceedings for acquiring title to, etc.

or by any proceedings under any existing law, and the said city, by any of its officers, agents, or employees, shall be in possession thereof at the time this act shall take effect, and such possession shall be continued for the period of sixty days thereafter, such possession shall be deemed an election on the part of said city to take such real estate under and pursuant to the provisions of this title, and in that case it shall be the duty of the corporation counsel, at the expiration of said sixty days, to make the necessary application for the appointment of commissioners, pursuant to the provisions of this title, to appraise the damages and compensation to be paid for the taking and using of the same. The performance of such duty may be enforced by the supreme court by mandamus on the application of any owner or claimant of the real estate so taken or used, and upon the hearing before the commissioners appointed upon such application they shall, if requested by said owners or claimants, also appraise and determine the amount of damages sustained by said owners or claimants, respectively, by reason of any use or occupation of said real estate by said city, or any of its officers or agents, before the making of such application. The said commissioners shall, in their report, state the amount of damages so ascertained and determined by them, and the amount thereof shall form a part of the amount required to be paid by said city before the right and title to the real estate specified in said report shall be vested in said city as hereinbefore provided. Upon such hearing all of the provisions of this title in relation to compelling the attendance of witnesses, and the examination thereof, shall apply to the claim for damages growing out of such use and occupation.

1877, ch. 445, § 15. Comp. 334. Right of action.

§ 378. As to any damages which may have accrued to the owner or claimant of any real estate, as to which the proceedings provided by this title may be instituted, before such proceedings shall have been instituted, this title shall not be taken or construed to deprive any party of a right to a trial by jury of the question of such damage, and the said commissioners shall estimate and determine such damages, and the compensation to be made therefor, only upon the consent of all the parties thereto. Such consent, however, shall be conclusively presumed as against any party who shall appear and take part in the proceedings to determine the amount of such damage, without first entering an objection to the determination thereof by such commissioners. In absence of such objection, but not otherwise, the said commissioners shall proceed to final determination of such question.

Id. 16. Term "real estate" defined.

§ 379. The term real estate, as used in this title, shall be construed to signify and embrace all uplands, lands under water, the waters of any lake, pond, or stream, all water-rights or privileges; and any and all easements and incorporeal hereditaments, and every estate, interest, and right, legal and equitable, in lands or water, including terms for years, and liens thereon by way of judgment, mortgage, or otherwise, and also all claims for damages to such real estate.

Id. 17. Compensation of commissioners, etc.

The commissioners appointed in pursuance of this title shall receive as compensation the sum of ten dollars per day for each day actually employed. They may employ the necessary clerks and surveyors. The salaries of the commissioners and of their employees, and the necessary travelling expenses and other expenses incurred in and about such special proceedings shall be paid by the said comptroller, as provided for in this title, on the certificate of the commissioner of public works of the city of New York.

Id. 18. Comp. 335. Waste of water, prevention of.

§ 380. For the purpose of preventing any waste of water, the commissioner of public works of the city of New York is hereby authorized to construct such aqueducts, reservoirs, dams, sluices, canals, and appurtenances as may be necessary to collect or retain the water in or from any lakes or streams which have been heretofore taken by said city or which may be taken under the operation

of this title, and use such waters as the wants and necessities of said city may require. Provided that nothing contained in any act passed before June fifteenth, eighteen hundred and seventy-seven, shall authorize or permit any water in excess of the ordinary flow thereof to be drawn from lake Mahopac and lake Glenida, in the town of Carmel and county of Putnam, between the first day of March and the first day of September in any year. And provided also that nothing in this or in any such act contained shall be so construed as to interfere with any existing right to catch fish, obtain ice, or keep, use and maintain boats in or upon any natural lake or pond which may be acquired under this title; nor shall it be so construed as to destroy any existing right of riparian owners upon such lakes and ponds to use the waters thereof, or to build upon the shores thereof, except as such rights may be affected by the raising or lowering of the waters of such lake or ponds, as hereinbefore prescribed. Proviso.

§ 381. The commissioners appointed or to be appointed in any proceeding under this title; in which proceeding more than one claim is embraced, may conduct their examination as to any one of such claims at such time or times as shall seem best to them, and they may, in their discretion, postpone the ascertainment or determination of the compensation to be made on such claim; until any time prior to the final termination of the proceedings, and they may, in their discretion, proceed to the ascertainment or determination of the compensation to be made on any one of such claims, notwithstanding the fact that the examination and consideration of some other claim or claims are still pending, open, and undetermined; and such action on the part of the commissioners in any proceeding now pending is hereby ratified and confirmed. 1879, ch. 28, § 1. Comp. 337. Actions confirmed

§ 382. The commissioners referred to in the last preceding section, in any proceeding in which more than one claim is embraced, at any time in the course of such proceedings, may, in their discretion, take up any specified claim or claims, and finally ascertain and determine the compensation to be made thereon, and make a separate report with reference thereto, which report shall, as to the claims therein specified, be the report required in this title aforesaid, and the subsequent action with reference thereto shall be had in the same manner as though no other claim were embraced in such proceeding, which, however, shall continue as to all claims upon which no such separate determination and report is made. Id. § 2. Separate report and determination may be made.

§ 383. All actions for the recovery of real property, or of any estate or interest therein, or for the determination in any form of such right or interest, and for injuries to real estate, brought under the provisions of this title, shall be brought and tried in the county in which the subject of the action, or some part thereof, is situated, subject to the power of the court to change the place of trial in cases provided by statute. If in any particular it shall at any time be found necessary to amend any pleading, proceeding, process or action, or to supply any defect therein, arising in the course of any special proceeding authorized by this title, the same may be amended or supplied in such manner as shall be directed by the supreme court, which is hereby authorized to make such amendment or correction. 1877, ch. 45, § 22, 23 Comp. 336. Actions, places of trial of. Amendment of pleadings, etc.

§ 384. All persons acting under the authority of the mayor, aldermen, and commonalty, shall have the right to use the ground or soil under any street, highway or road within this State for the purpose of introducing water into the city of New York, on condition that they shall cause the surface of such street, highway or road to be restored to its original state, and all damages done thereto to be repaired. 1834, ch. 256, § 15. Comp. 287. Right to use ground under street, etc.

——— *Chap.* 410 *of the Laws of* 1882.—*Special and Local Laws affecting Public Interests in the City of New York.*

REGULATIONS

ESTABLISHING A RATE OF WATER RENTS FOR THE CITY OF NEW YORK.

BY ORDER OF

ROLLIN M. SQUIRE,

COMMISSIONER OF PUBLIC WORKS.

"The said Commisssioner of Public Works, shall, from time to time, establish scales of rents for the supplying of Croton water, which rents shall be collected in the manner now provided by law."—*Chap.* 574, *Sec.* 5, *Session Laws of* 1871.

The regular annual rents to be collected by the Department of Public Works shall be as follows, to wit:

Croton Water Rates for Buildings from 16 *to* 50 *feet, all others not specified subject to Special Rates, as established by Ordinance of the Common Council, March,* 1851.

Front Width.	1 Story.	2 Stories.	3 Stories.	4 Stories.	5 Stories.
16 feet and under.....	$4.00	$5.00	$6.00	$7.00	$8.00
16 to 18 feet.....	5.00	6.00	7.00	8.00	9.00
18 to 20 feet.....	6.00	7.00	8.00	9.00	10.00
20 to 22½ feet.....	7.00	8.00	9.00	10.00	11.00
22½ to 25 feet.....	8.00	9.00	10.00	11.00	12.00
25 to 30 feet.....	10.00	11.00	12.00	13.00	14.00
30 to 37½ feet.....	12.00	13.00	14.00	15.00	16.00
37½ to 50 feet.....	14.00	15.00	16.00	17.00	18.00

The apportionment of the regular rents upon dwelling houses are upon the basis that but one family is to occupy the same, and for each additional family, the sum of one dollar per year shall be charged.

Each flat or suit of rooms for one family shall be charged ten dollars per year where they have hot and cold water, stationary wash tubs, bath and water closet, with the privilege of using meter.

Meters will be placed on all houses where waste of water is found, and they will be charged at rates fixed by the Department for all the water passing through them.

The rent of all tenements which shall exceed in width fifty feet, shall be the subject of special contract with the Commissioner of Public Works.

The extra and miscellaneous rates shall be as follows, to wit:

BAKERIES.—For the average daily use of flour, for each barrel, the sum of three dollars per annum.

BATHING TUBS in private houses, beyond one, at three dollars per annum each, and five dollars per annum each in public houses, boarding houses, bathing establishments, and barber shops.

BOARDING SCHOOLS shall be charged at the rate of from fifteen to fifty dollars each, and school houses at the rate of from ten to twenty dollars each per annum.

BUILDING PURPOSES.—For each one thousand bricks laid, or for stone-work—to be measured as brick—ten cents per thousand. For plastering, forty cents per hundred yards.

COW STABLES.—For each and every cow, the sum of seventy-five cents per annum.

FOUNTAIN or jets are prohibited.

For all stables not metered, the rates shall be as follows:

HORSES, PRIVATE.—For two horses there shall be charged the sum of six dollars per annum; and for each additional horse, the sum of two dollars.

HORSES, LIVERY.—For each horse up to and not exceeding thirty in number, the sum of one dollar and fifty cents each per annum; and for each additional horse, the sum of one dollar.

HORSES, OMNIBUS AND CART.—For each horse, the sum of one dollar per annum.

HORSE TROUGHS.—For each trough on sidewalks, the sum of twenty dollars per annum; each trough is to be fitted with a proper ball cock to prevent waste, this must be kept in order.

HOTELS AND BOARDING HOUSES shall, in addition to the regular rate for private families, be charged for each lodging room, at the discretion of the Commissioner of Public Works.

PORTER HOUSES, TAVERNS AND GROCERIES shall be charged an extra rate of either ten to twenty-five dollars, in the discretion of the Commissioner of Public Works. Lager Beer Saloons, with no water fixtures in the saloon, five dollars per annum.

PRINTING OFFICES AND REFECTORIES shall be charged at such rates as may be determined by the Commissioner of Public Works.

SLAUGHTER HOUSES shall be charged at the rate of five cents for every bullock slaughtered.

STEAM ENGINES shall be charged by the horse-power, as follows: for each horse-power up to and not exceeding ten, the sum of ten dollars per annum; for each exceeding ten and not over fifteen, the sum of seven dollars and fifty cents each; and for each horse-power over fifteen, the sum of five dollars.

The use of hose for washing sidewalks, stoops, areas, house-fronts, and about stables, is prohibited, because it is absolutely necessary to save water for more necessary purposes. Where premises are provided with wells, special permits will be issued for the use of hose, in order that the Police or Inspector may understand that the permission is not for the use of Croton water.

WATER CLOSETS AND URINALS.—To each building on a lot one water closet hav- sewer connection is allowed without charge, each additional water closet or urinal will be charged as hereinafter stated. All closets or urinals in which the Croton water from any service pipe or hydrant connecting with a privy vault or man-hole shall be charged two dollars for each seat per annum, whether in a building or on any other portion of the premises.

WATER CLOSET RATES.—For hoppers, of any form, when water is supplied direct from the Croton supply, through any form of the so-called single or double valves, hopper cocks, stop cocks, self-closing cocks, or any valve or cock of any description attached to the closet, each per year twenty dollars.

For any plan closet, or any of the forms of valve, plunger, or other water closet not before mentioned, supplied with water as above described, per year, ten dollars.

For any form of hopper, or water closet, supplied from the ordinary style of cistern filled with ball cock, and overflow pipe that communicates with the pipe to the water closet, so that overflow will run into the hopper or water closet, when ball cock is defective, or from which an unlimited amount of water can be drawn by holding up the handle, per year, each, five dollars.

For any form of hopper or water closet, supplied from any of the forms of waste-preventing cisterns, that are approved by the Engineer of the Croton Aqueduct, which are so constructed that not more than three gallons of water can be drawn at each lift of the handle, or depression of the seat, if such cisterns are provided with an overflow pipe, such overflow pipe must not connect with the water closet, but be carried like a safe waste, as provided by the Board of Health Regulations, per year, two dollars.
Cistern answering this description can be seen at this Department.

DEPARTMENT OF PUBLIC WORKS,

BUREAU OF CHIEF ENGINEER.

INSTRUCTIONS FOR INSPECTORS

OF

WASTE OF WATER,

AND

RULES AND REGULATIONS FOR CONSUMERS AND PLUMBERS FOR THE USE OF WATER, AND PENALTIES FOR VIOLATION THEREOF.

Instructions to Inspectors of Waste.

You will make yourself thoroughly familiar with the rules and regulations of this Department for the use of water.

You are hereby instructed to visit each building in your district where Croton water is used, and make a thorough examination of the plumbing work therein, and enter in a book the street number of each house visited; its width and depth; basement and number of stories, and what business is carried on in each ; the number of faucets, bath-tubs, water-closets, urinals, and any other appliance requiring the use of water on each floor; the kind of water-closets, particularly whether there are any water-closets or urinals supplied directly from the mains without the use of tanks ; the number of fixed basins; whether fixed basins and urinals are provided with self-closing faucets; whether the overflow from tanks discharges into the drain or hopper of closets; the number (and as near as possible the size) of steam boilers and steam engines, the number of laundries, whether the premises are supplied with a meter; whether the premises are supplied from High Service; the number, if any, of hydraulic rams, pumps or fountains. All this to be entered in your book so that you can fill out a blank, which will be provided at the office for this purpose; also report all openings made in streets or avenues for repairs to service pipe and drains, and the name of person doing the work. This book must be written up in ink each day.

2. You will give particular attention to the condition of water-closets and urinals, and when water in the same is allowed to run constantly you will direct the same to be shut off or repaired at once.

3. In houses that have in them tanks, you will examine whether the pipes supplying them are provided with ball-cocks, and where such is not the case you will give instructions to have them put in, especially as to the small tanks in water-closets, and see that they are in good working order.

4. In all cases where the plumbing work is defective you will direct the same to be repaired within ten days. At the expiration of

that time you will make a re-examination of the premises and see whether the necessary repairs have been made.

5. Where water is found running to waste, you will order the same to be discontinued at once, and notify the occupants that if they allow the water to run to waste thereafter, the water will be shut off in the street without further notice. Give the same notice where defective plumbing has not been repaired as directed.

6. See if the water pipes in cellars and throughout the houses are protected, so that the water will not freeze in them.

7. Where building is being done, see if the bricks are wet by throwing water on them with a hose, and whether a tub or tank is provided, as directed by Regulation No. 55.

8. If you are in doubt respecting the meaning of any regulation, or any other matter relating to the performance of your duties; ask, without delay, for instruction at the office of Chief Engineer of Croton Aqueduct

9. You will report to this office any violation of the rules and regulations of the Department for the use of water, and whether you have given any instruction for repairs or stoppage of waste. This report must be made daily in writing, by mail.

RULES AND REGULATIONS FOR THE USE OF WATER, AND PENALTIES FOR VIOLATION THEREOF.

Meters.

Under the provisions of section 73, chapter 335, Laws of 1873 (City Charter), water-meters, of the pattern approved in accordance with said section 73 of the charter, shall be hereafter placed on the pipes supplying all stores, workshops, hotels, manufacturies, public edifices at wharves, ferry-houses, stables, and in all places where water is furnished for business consumption, except private dwellings.

Expense of meters.

It is provided by section 73, chapter 335, Laws of 1873, that "all expenses of meters, their connections and setting, water-rates, and other lawful charges for the supply of Croton water, shall be a lien upon the premises where such water is supplied, as now provided by law." * *

The Department of Public Works, by authority conferred in and by the twenty-seventh section of an act of the Legislature of the 11th of April, 1849, in the words following:

"The rules and restrictions for the use of the water, printed on each permit, shall be notice to the water-takers, and shall authorize the exaction and recovery, by process of law, of any penalties which the Department of Public Works may impose, in addition to the cutting off the use of the water for any violation of the rules; and this section shall be printed on such permits"—

DO ESTABLISH THE FOLLOWING RULES, REGULATIONS, AND PENALTIES:

Supply to other persons.

10. No tenant will be allowed to supply water to other persons or families, for other than domestic purposes; and if found doing so, the supply will be stopped, and the amount of payment forfeited.

No addition to fixtures.

11. No addition or alteration whatever, in or about any conduit, pipe, or water-cock, or meter shall be made, or caused to be made, by persons taking the water, without notice thereof being previously given

to and permission had in writing from the Department of Public Works.

12. All persons taking the water shall keep their own service-pipes, stop-cocks, meters, and apparatus in good repair, and protected from frost, at their own expense, and shall prevent all unnecessary waste of water. Fixtures to be kept in order.

13. Street-washers shall be used only before the hour of 8 o'clock in the morning, from the 1st of May to the 1st of November; and before 9 o'clock in the morning, from the 1st of November to the 1st of May, and at no subsequent hours of the day or evening, under a penalty of five dollars for each offence; and if found out of order, cap off, or leaking, or if converted into jets or suffered to run when not used, the supply will be cut off without previous notice. Street washers.

14. No hydrant will be permitted on the sidewalk, or in the front area, and if standing in a yard or alley attached to any dwelling or building, will not be permitted to be kept running when not in actual use; taps at wash-basins, water-closets, baths, or urinals, must be kept closed in like manner. Hydrants.

15. Applications for water must state fully and truly all purposes for which it is required, and when paying the annual charges for it, parties must frankly and without concealment answer all questions put to them relating to its consumption. In cases of fraudulent misrepresentation on the part of the applicant, or of uses of the water not embraced in this bill, or of wilful or unreasonable waste of water, the Commissioner of Public Works shall have the right to forfeit payments made, and the supply of water shall be stopped, unless the party shall promptly pay such additional charges as the Commissioner of Public Works may impose. Application for water.

16. Fountains or jets in yards or elsewhere will not be permitted. Fountains.

17. The officers of the Department, personally, and every person by them delegated for the purpose, must have free access, at proper hours of the day, to all parts of every building and steam vessel in which Croton water is delivered and consumed. Access to premises.

18. Water-meters shall be placed in all stores, workshops, hotels, manufactories, public edifices, at wharfs, ferry houses, stables, and in all places in which water is furnished for business consumption. Meters, where applied.

19. No hydraulic ram, engine, or other machine, requiring for its operation the consumption of water, shall be put up in any building; and if already up it must be removed. Hydraulic rams.

20. The rates for water supplied by meter shall be due and payable on the 1st day of April and October in each year. Meter rates.

21. All meters, before being placed, must be sent, with a memorandum of the owner's or purchaser's name, residence, and place of business, to the Department Pipe Yard, 24th street and East river, to be tested. They will be returned within forty-eight hours upon the written order of the owner, giving the name of the plumber who is to receive and set the meter. Meter tests.

22. Consumers are required to keep their meters in repair, and protect them from frost and injury of any kind, at their own expense. Meters to be kept in order.

23. All meters are to be placed under the supervision and to the satisfaction of the Commissioner of Public Works, or such person as he may designate, so that they can be easily examined and read. Location of meters.

24. Between each meter and the Croton main, a stop-cock must be placed on the service pipe, within one foot of the meter, and no water from Croton mains shall be introduced or used on premises to be supplied by meter, except that which passes through the meter. Stop-cocks.

25. No meter shall be set within two feet of any sink, privy, cesspool, manure heap, or pit.

Plumbers, licensed.

26. Licensed plumbers, of this city, and employees of the Department of Public Works, are the only persons authorized to make connections with water mains, and to set or remove meters.

No meter to be removed.

27. No meter shall be removed or repaired, except upon a permit from the Department of Public Works; and whenever a meter is removed for any cause, the Commissioner of Public Works will require another to be put in its place.

Penalties.

28. In case of violation of any of the preceding requirements and regulations, or if free access to the meters for examination or repair shall at any time be denied to the engineer or such person or persons as the Commissioner of Public Works may employ for that purpose, or if upon examination it shall be found that the meter has been tampered with, the water supply shall be stopped, unless the party shall promptly pay such additional charge as the Commissioner of Public Works may impose; nor will the supply be resumed except upon payment of the expense of shutting off and turning on, and upon satisfactory understanding that no future cause for complaint shall arise.

Expenses of meter, lien.

29. It is provided by section 73, chapter 335, Laws of 1873, that "all expenses of meters, their connections and setting, water rates and other lawful charges for the supply of Croton water, shall be a lien upon premises where such water is supplied as now provided by law." * * *

Reduction of rates.

30. A proper reduction will be made for water rates already paid for the fiscal year when bills for water furnished through meters are made out.

Expenses of meters.

31. Bills for all expenses or charges in connection with meters, and for water furnished through them, and permits required therefor, and all information in reference thereto, can be obtained at the office of the Chief Engineer, Room 10, 31 Chambers street.

Where payments are to be made.

32. All payments for use of water, for meters, setting, etc., must be made at the office of the Water Register, 31 Chambers street, Room 2, and no person is authorized to receive money at any other place.

Right to apply meters.

33. The department reserves to itself the right to apply a meter to any premises whenever it may be deemed advisable.

Washing carriages, etc.

34. The washing of carriages, street cars, or vehicles of any kind, by means of hose or pipe, throwing a jet of water, will be strictly prohibited, and in every instance of a violation of this order the water supply will be immediately shut off.

Use of hose.

35. Any person desirous of using hose for washing sidewalks, areas, etc., must take out a special permit for that purpose.

Shutting off supply.

36. The penalty for a violation of any of the preceding rules and requirements will be the prompt stoppage of the supply of water without any further or other preliminary notice; nor will it be restored except upon payment of the expense of shutting it off and putting it on, and upon a satisfactory understanding with the party that no future cause of complaint shall arise.

37. These regulations will be rigidly enforced to the very letter.

WHERE CROTON WATER IS USED ON PIERS, WHARVES, AND BULKHEADS.

38. No addition or alteration whatever, in or about any conduit, pipe, or water-cock, shall be made or caused to be made, by persons taking the water, without notice thereof being previously given to, and permission had in writing from, the Department of Public Works. Alterations to fixtures.

39. All persons taking the water shall keep their own service-pipes, stop-cocks, and apparatus in good repair, and protected from frost, at their own expense, and shall prevent all unnecessary waste of water. Fixtures to be kept in order.

40. Applications for water must state fully and truly all purposes for which it is required; and when paying the charges for it, parties must frankly and without concealment answer all questions put to them relating to its consumption. In cases of fradulent misrepresentation on the part of applicant, or of uses of the water not embraced in this bill, or of wilful or unreasonable waste of water, the Commissioner of Public Works shall have the right to forfeit his payment, and the supply of water shall be stopped, unless the party shall promptly pay such additional charge, as the Commissioner of Public Works may impose. Application for water.

41. The officers of the Department, personally, and every person by them delegated for the purpose, must have free access, at proper hours of the day, to all parts of every building, pier, bulkhead, and steam vessel in which Croton water is delivered and consumed. Access to premises.

42. The Department reserves to itself the right to apply a meter to any premises whenever it may be deemed advisable. Right to apply meters.

43. The rates for water supplied shall be due and payable every two months.

44. Applications for water meters must be in writing, and contain a clear and correct statement of the locality and extent the premises where the meter is to be attached, the nature of the business to be prosecuted on said premises, the number and size of the taps or connections with the main pipes in existence on said premises, and be signed by the person or persons in whose name such business is to be conducted. Application for meter.

45. In case said application be granted, the meter is to be attached to the premises by and at the expense of the applicant, but under the supervision of said Department. Expenses for meters.

46. All such meters, when attached to any premises, shall be subject at all times during working hours to the examination of said engineer, or such other persons as said Commissioner may employ for such purpose. The box containing the meter shall at all times (except when opened for examination) be kept securely locked, and the box and meter must be protected from any and all kinds of injury by carelessness, recklessness or design, and from frost, by and at the expense of the person on whose application the same were furnished. Inspector of meters.

47. All meters to be placed under the supervision and to the satisfaction of the Department of Public Works. Location of meters.

48. If free access to all meters for examination or repair shall be at any time denied to said engineer or such other person as said Commissioner may employ for such purpose, or if upon examination it shall be found that said meter has been tampered with, or that water from the Croton mains has been introduced into andused on said premises by means of pipes not connected with said meter, the Free access to meters.

supply of water shall be stopped, unless the party shall promptly pay such additional charge as the Commissioner of Public Works may impose.

Penalties.

49. The penalty for a violation of any of the preceding rules and requirements will be the prompt stoppage of the supply of water, without any further or other preliminary notice; nor will it be restored except upon payment of the expense of shutting it off and putting it on, and upon a satisfactory understanding with the party that no future cause of complaint shall arise.

WHERE WATER IS USED FOR BUILDING PURPOSES.

No water to be supplied to others.

50. The party named in the within permit will not be allowed to supply water to any other party or parties: if found doing so, the supply will be stopped and the amount of payment forfeited.

No alteration of fixtures.

51. No addition or alteration whatever, in or about any conduit, pipe, or water-cock, shall be made or caused to be made by the party within named, without notice thereof being previously given to and permission had in writing from this Department.

Fixtures to be kept in order.

52. The within-named party shall keep their own service-pipes, stop-cocks, and apparatus in good repair and protected from frost, at their own expense, and shall prevent all waste of water.

Fraudulent misrepresentations.

53. In case of fraudulent misrepresentation on the part of the applicant, or of uses of water not embraced in the within permit, or of wilful or unreasonable waste of water, the Department of Public Works shall have the right to forfeit his payment, and the supply of water will be stopped, unless the party shall promptly pay such additional charge as this Department may impose.

Injury to hydrants.

54. No person not authorized by this Department, or by ordinance or resolution of the Common Council, shall open or wilfully injure a fire-hydrant, under a penalty of twenty dollars, in addition to the cost of repairing the same.

No hose to wet bricks.

55. A tub or tank shall be provided by the user of water under this permit, from which all the water shall be taken for use. No hose or pipe shall be used for any purpose whatever, except to keep said tub or tank supplied, and the water shall be promptly shut off when this tank is full, so that there will be no waste.

56. These regulations will be rigidly enforced to the letter.

ALL PERSONS WHO OBTAIN PERMITS TO SPRINKLE STREETS SHALL CONFORM TO THE FOLLOWING RULES AND REGULATIONS.

Sprinklers.

57. The tin sprinkler attached to each cart shall conform in every respect to a pattern kept in the office of the Department of Public Works, and none other shall be permitted to be used.

Name of licensees.

58. The name and residence of each person licensed to sprinkle the streets shall be painted on both sides of the cask in black letters, of not less than two inches in length, on a white ground.

Boys not to be employed.

59. No permit will be granted for any sprinkling cart that is to be driven by a boy.

Non-residents.

60. No license will be granted to any person not a resident of the city and county of New York.

61. Each sprinkling cart shall be provided with a sound and proper piece of hose to conduct the water from the fire-hydrant to the cart, and such hose shall always be kept in good order and free from holes. Hose.

62. Each person obtaining a permit for sprinkling shall keep the hydrants allotted to his use closed, except when obtaining water for use, and shall be responsible for any damage that may result from the use or abuse of it while the hydrants are allotted to him; provided such damage shall not have been occasioned by others than those in the employ of said person. Hydrants to be kept closed.

63. Every person who shall thus obtain a license shall pay to the Department of Public Works such sum or price as may be fixed by the Department, for the water used during the season for sprinkling; the payments to be made monthly, in advance, and within the first week of each month. Payment for license.

64. Any plumber violating any of the above Rules and Regulations, will, at the discretion of the Commissioner of Public Works, have his license revoked. Penalties.

ROLLIN M. SQUIRE,
Commissioner of Public Works.

GEO. W. BIRDSALL,
Chief Engineer of the Croton Aqueduct.

DEPARTMENT

OF

PUBLIC CHARITIES AND CORRECTION.

Commissioners.

No. 66 Third avenue, corner Eleventh street, 8.30 A.M. to 5.30 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
THOMAS S. BRENNAN..	Pres. of Commission..	338 West 60th street.	$5,000 00
HENRY H. PORTER.....	Commissioner.....	168 West 47th street .	5,000 00
CHAS. E. SIMMONS.....	"	742 Lexington avenue	5,000 00

Central Office.

George F. Britton.....	Secretary.....	208 Fifth avenue.....	$1,650 00
Arthur Phillips.....	Assistant Secretary...	832 Lexington avenue	1,500 00
F. A. Cushman.....	Supply Clerk.....	34 West 32d street...	3,000 00
Rufus L. Wilder.....	General Bookkeeper..	22 East 127th street..	3,000 00
Charles Benn.....	First Ass't Bookk'per.	158 East 7th street...	1,200 00
E. C. Graham.....	Second " " .	Astoria.....	900 00
William H. Knapp.....	Supervising Engineer.	162 East 72d street...	2,000 00
William Hughes.....	Engineer.....	66 Third avenue.	550 00
Robert Anderson.....	Clerk.....	66 Third avenue.	500 00
S. E. Japha.....	Ticket Agent.....	1828 Lexington ave ..	450 00

Out-Door Poor Department.

William Blake.....	Superintendent.....	103 East 10th street..	$3,000 00
Owen E. McGrath.....	Clerk.....	691 Washington street	850 00

Medical Bureau, Out-Door Poor Department.

Theodore Parker.....	Examining Physician.	Bellevue Hospital....	$750 00

General Drug Department.

Charles Rice.....	Chemist.....	Bellevue Hospital....	$900 00

City Prison.

Corner Franklin and Centre streets.

James Finn.....	Warden.....	City Prison.....	$1,750 00
Mark Finley.....	Deputy Warden.....	100 Varick street.....	1,300 00
John Orr.....	"	482 Fourth avenue...	769 50
Wm. L. Hardy.....	Physician.....	366 West 27th street .	900 00
Matthew D. Field.....	"	31 West 42d street....	400 00
Wm. W. Jackson.....	"	220 East 126th street.	550 00

City Prison.

Corner Franklin and Centre streets.

NAME.	POSITION.	RESIDENCE.	SALARY.
Allan Fitch	Physician	139 East 39th street	$450 00
John J. Brennan	Keeper		800 00
William F. Thompson	"		800 00
Thomas H. Bramigan	"	592 Third avenue	750 00
Jeremiah Butler	"	38 Lawrence street	750 00
Robert Cunningham	"	43 Sutton place	750 00
Bernard Clark	"	72d st. and East river	750 00
Robert E. Colburn	"	46 Charlton street	750 00
Edward J. H. Conley	"	119 Pearl street	750 00
Michael D. Downey	"	488 Pearl street	750 00
Adolph Dobke	"	103 East 3d street	750 00
William Evers	"	173 Hudson street	750 00
John J. Fallon	"	332 East 37th street	750 00
Samuel Galbraith	"	33 Nassau street	750 00
Eugene Kiernan	"	676 Second avenue	750 00
Lawrence E. O'Bryan	"	335 First avenue	750 00
Sarah A. McAuliffe	Matron	411 East 61st street	515 00

Second District Prison.

James O'Brien	Keeper	200 West 40th street	$750 00
Charles R. Gleason	"	239 West 16th street	750 00
Ignatius Dugan	"	498 Greenwich street	750 00
John Hodge	"	27 Henry street	750 00
Henry Van Holland	"	217 East 83d street	750 00
Arthur T. Hills	Physician	39 West 36th street	430 00
Augustus H. Saving	Engineer	350 West 27th street	900 00

Third District Prison.

Matthew Daly	Keeper	1 Essex Market place	$750 00
Samuel Dunlap	"	" "	750 00

Fourth District Prison.

Edward Cuskley	Keeper	Fourth District Prison	$750 00
Wm. C. Gover	"	1039 Third avenue	750 00
John Foy	"	435 West 56th street	750 00
Frank Smith	"	348 East 20th street	750 00
John McDonald	"	98 East 111th street	750 00

Fifth District Prison.

Martin Bergan	Keeper	343 East 87th street	$750 00
Wm. W. Bowles	"	347 East 118th street	750 00
Lawrence Glynn	"	2159 Third avenue	750 00

Sixth District Prison.

NAME.	POSITION.	RESIDENCE.	SALARY.
John F. Rice	Keeper	Courtland ave. & 157th street	$750 00
John Rogge	"	Third ave. & 147th st.	750 00

Bellevue Hospital.

Foot East Twenty-sixth street.

James F. O'Rourke	Warden	Bellevue Hospital	$1,700 00
Samuel A. Russell	Clerk	"	900 00
John Conway	Engineer	"	700 00

Ninety-ninth Street Hospital.

P. H. Weldon	House Surgeon	99th Street Hospital	$525 00
F. W. Meyers	Senior Assistant	"	430 00

Almshouse.

Marshall Vought	Warden	Almshouse	$1,350 00

Charity Hospital.

Louis L. Seaman	Chief of Staff	Charity Hospital	$1,500 00
Howard Forster	Steward	"	900 00
James McVey	Engineer	"	700 00
Hugh H. Hagan	Apothecary	"	684 00

New York Penitentiary, Blackwell's Island.

John M. Fox	Warden	Blackwell's Island	$1,650 00
Charles Osborne	Deputy Warden	"	1,300 00
Henry Miner	Supt. Building Gang	334 East 47th street	775 00
Michael Adams	Keeper	319 East 59th street	750 00

Lunatic Asylum, Blackwell's Island.

Thomas M. Franklin	Medical Superintend't	Blackwell's Island	$2,200 00
Emmet C. Dent	Ass't "	"	1,000 00

Homœopathic Hospital.

Thos. M. Strong	Chief of Staff	Ward's Island	$1,350 00
Thos. E. Sutton	Steward	"	900 00

Randall's Island Hospital.

James R. Healey	Medical Superintend't	Randall's Island	$1,650 00
John Kerr	Steward	"	900 00

DEPARTMENT OF PUBLIC PARKS.

No. 36 Union Square, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
HENRY R. BEEKMAN...	President.....	119 East 18th street..	$5,000 00
SALEM H. WALES.....	Treasurer.....	31 East 35th street...	No salary.
WILLIAM M. OLLIFFE...	Commissioner.....	130th st. and Fifth ave	"
JESSE W. POWERS.....	"	34 Mount Morris ave..	"
Charles De F. Burns....	Secretary.....	522 East 87th street..	4,500 00
David Porter Lord.....	First Clerk.....	153 East 49th street..	2,500 00
A. D. Parker.....	Stenographer.....	167th st. and Boston rd	1,500 00
Clinton H. Smith	Clerk.....	364 West 58th street..	1,500 00
Ed. Meehan, Jr.....	"	211 West 127th street.	1,200 00
H. H. Doherty.....	"	1058 East'n Boulevard	1,200 00
Wm. Van' Valkenburgh..	Property Clerk.....	108 West 22d street...	2,400 00
William R. Kingsland ..	Clerk.....	23 Park Row.....	1,000 00
Aneurin Jones.....	Superintendent	106 East 71st street ..	4,000 00
William A. Conklin.....	Director of Menagerie.	255 East 61st street...	1,500 00
Daniel Draper.....	Meteorologist	271 Madison avenue..	2,500 00
Julius Munckwitz.....	Architect.....	125 West 129th street.	3,000 00
Frank A. Calkins.....	Assistant Engineer...	206 West 23d street...	1,900 00
Ed. A. Miller.....	Rodman.....	123 East 118th street..	Day, 3 00
M. A. Kellogg.....	Engin'r of Construct'n	167 Alexander avenue.	4,000 00
Josiah A. Briggs.....	Assistant Engineer...	Fordham	1,650 00
S. C. Thompson.....	" ...	358 West 42d street...	1,500 00
B. R. Guion.....	" ...	170th st. & Franklin av	1,500 00
N. McConaughy.....	" ...	84 Chatham street....	1,650 00
W. S. Church.....	" ...	Hampshire Flats, 9th st	1,500 00
C. H. Graham.....	Assistant.....	445 East 117th street..	1,500 00
Emil Bleyer.....	"	333 East 123d street..	Mo., 100 00
Daniel Campbell.....	"	8 West 128th street...	" 100 00
Henry Mehles.....	Draughtsman	175th st. & Webster av.	1,200 00
Herman Crueger.....	"	110 East 127th street.	1,200 00
W. C. Illig.....	Assistant.....	327 East 41st street...	900 00
G. C. Hillman.....	"	190 Eighth avenue ...	Day, 3 00
Herman Koch.....	"	48 Eldridge street....	" 3 00
William N. Jackson	"	345 West 92d street ..	" 3 00
R. F. Sigel.....	Assistant Engineer...	107 East 31st street ..	1,200 00
S. F. Chalfin.....	Topographical Eng'r..	145th st. and Boulevard	3,000 00
F. Greiffenberg.....	Assistant Engin'r and Draughtsman.....	222 West 24th street..	2,000 00
H. W. Vogel.....	Assistant Engineer...	Fordham	1,650 00
S. W. Hoag, Jr.....	" ...	128 East 115th street.	1,650 00
S. S. Haight..... ...	" ...	West Farms	1,650 00
S. B. Downes.....	Searcher	719 Lexington avenue.	1,000 00
J. C. Hume.....	Computer.....	Long Island City.....	960 00
L. F. Haffen.....	Assistant Engineer...	152d st. and Courtl'd av	1,200 00
Thomas Fox.....	Assistant.....	410 East 23d street...	Day, 3 00
J. J. Clabby.....	Axeman.....	404 West 63d street ..	" 2 50
Horace Crosby.....	Assistant Engineer...	New Rochelle.....	1,500 00
Ch. A. Mapes.....	" ...	237 East 126th street.	1,600 00
F. S. Dodge.....	" ...	69 West 48th street...	1,200 00
Chandler Withington....	Computer	102 West 49th street..	900 00
Thomas J. Lucey.....	Assistant.....	244 Clinton street....	Day, 3 00

DEPARTMENT OF PUBLIC PARKS—*Continued.*

Name.	Position.	Residence.	Salary.
W. F. Whittemore	Assistant	843 East 165th street.	Day, $3 00
James Hurley	Inspector	Tremont	" 4 00
James Murphy	"	541 East 135th street.	" 4 00
Clinton B. Flower	"	123 Hudson street	" 4 00
James F. Keyes	"	2144 Third avenue	" 4 00
John Murphy	"	541 East 135th street.	" 4 00
Lewis H. Combes	"	716 East 167th street.	" 4 00
John Kelly	"	604 West 55th street	" 4 00
D. M. Donagan	"	41 Eastern Boulevard.	" 4 00
John Curren	"	331 East 29th street	" 4 00
Joseph Southworth	"	38 West 125th street	" 3 00
Robert Danfield, Jr.	"	Holmes st. & Union av	" 3 00
Henry Bertholf	Bridge Tender, and services of his assistants	116th st. and 7th ave.	1,800 00
E. T. T. Marsh	Surgeon	111 Madison avenue	1,500 00
Thomas Beaty	Captain	130 East 84th street	1,800 00
John W. England	Sergeant	417 East 86th street	Day, 3 25
James B. Ferris	"	421 East 85th street	" 3 25
Louis Flock	"	126 Charles street	" 3 25
M. C. Meany	"	725 East 146th street.	" 3 25
J. B. Mulholland	"	530 Morris avenue	" 3 25
M. E. Cunningham	Roundsman	345 East 51st street	" 3 00
Hugh Fitzpatrick	"	329 East 59th street	" 3 00
Robert Kelly	"	308 East 39th street	" 3 00
Wm. J. Morgan	"	1238 Second avenue	" 3 00

Twenty-third and Twenty-fourth Wards.

One Hundred and Forty-sixth Street and Third Avenue, 9 A.M. to 5 P.M.

Louis A. Risse	Superintendent	550 East 143d street	$2,500 00

DEPARTMENT OF DOCKS.

Office hours from 9 A.M. to 4 P.M. daily, except Saturdays; on Saturdays as follows: from September 15 to June 15, from 9 A.M. to 3 P.M.; from June 15 to September 15, from 9 A.M. to 12 M.

Commissioner's Office.

No. 117 and 119 Duane Street, 9 A.M. to 4 P.M.

Joseph Koch	Commissioner (*Pres.*)	110 East 58th street	$3,000 00
William Laimbeer	"	19 Madison avenue	3,000 00
John R. Voorhis	" (*Treas.*)	786 Greenwich street	3,000 00
B. W. Ellison	Secretary	Foot West 105th st	3,000 00
Frederic Perry	Bookkeeper	213 East 10th street	2,000 00
Francis E. Moon	Assistant Bookkeeper	411 East 83d street	1,800 00
George O. Beach	Clerk to Treasurer	305 West 12th street	1,800 00
James Weir	Apportionment Clerk.	809 Greenwich street.	1,800 00
Charles Miller, Jr	Recording Clerk	352 West 18th street	1,200 00
George H. Laughlin, Jr.	Engrossing Clerk	137 Charles street	1,200 00
Edward G. Ames	Clerk	65 Bank street	1,000 00
George W. Wanmaker	Dock Master	459 West 50th street	1,500 00
John M. Smith	"	19 Charlton street	1,500 00

DEPARTMENT OF DOCKS—Commissioners' Office—*Continued.*

NAME.	POSITION.	RESIDENCE.	SALARY.
Edward Gilon	Dock Master	2 Abingdon Square	$1,500 00
Abram Duryee	"	2118 Sixth avenue	1,500 00
Charles H. Thompson	"	East New York	1,500 00
Edward Abeel	"	United States Hotel	1,500 00
Bernard Kenney	"	120 Rivington street	1,500 00
John Callan	"	Tremont	1,500 00

Engineer-in-Chief's Office.

George S. Greene, Jr	Engineer-in-Chief	7 East 31st street	$6,000 00
Willard A. Nichols	First Asst. Engineer	13 East 22d street	3,000 00
Winfield S. Lasher	Assistant Engineer	116 West 41st street	1,500 00
Thomas J. Long	Asst. to Eng'r-in-Chief	Spuyten Duyvil	1,500 00
Edward C. Reynolds	" "	66 West 45th street	1,200 00
John E. Bartlett	Assistant Engineer	326 West 14th street	1,200 00
James W. Dorsett	Clerk	513 East 86th street	1,200 00
George W. Nicholson	Temporary Clerk	124 West 31st street	1,000 00
William Livingstone	Searcher of WaterGr'ts	West Farms	Mo.,125 00
Robert M. Kid	Draughtsman	Elizabeth, N. J	1,200 00
Otto Sibeth	"	219 East 115th street	W'k, 21 00
Patrick M. Dowd	"	156 East 85th street	1,000 00
Alexander M. Goge	"	1032 Lexington ave	1,000 00
N. J. Van der Weyde	"	344 West 32d street	1,000 00
Henry Singer	Clerk	49 First avenue	1,200 00
Frederick Lange	Stationery Clerk and Messenger	121 Suffolk street	1,200 00

On Permanent Work, North River.

William W. Maclay	Supt. of Section	1187 Lexington ave	$2,500 00
Thomas Murphy	Master Mason	200 Ninth avenue	1,800 00
Patrick White	Foreman of Piling and Woodwork	304 East 37th street	Mo.,100 00
Mortimer W. Casper	Insp'r Pier Building	25 Avenue D	Hour, 50
John D. Walsh	"	57 West 10th street	" 50
David F. McCarthy	"	210 West 11th street	" 50
John Regan	"	152 Eldridge street	" 50
Charles H. Thompson	"	120 Avenue D	" 50
Thomas Hanly	Foreman Dock Builders	236 Monroe street	" 35
John Blew	" "	25 Avenue D	" 35
Daniel Hart	" "	55 Bethune street	" 35
Martin Miller	" "	54 Goerck street	" 35
Edwin A. Gregory	Foreman of Laborers	121 Leroy street	" 35
John Jackson	"	482 Fulton st., B'klyn	" 35
John Bundick	Diver	161 Charles street	Per day of four hours or less. 5 00
William J. Carle	"	412 Grand street	5 00
Adoniram Fairchild	"	477 Hudson street	7 00

Surveying Force.

Frederick P. Thompson	Surveyor	7 Bank street	$1,500 00
John W. Beane	Assistant Surveyor	334 West 4th street	1,200 00
J. Frank Johnson	Leveler	132 West 10th street	900 00
Patrick Crowley	Rodman	134 Monroe street	W'k, 15 00
John F. Williams	"	725 East 6th street	" 15 00

DEPARTMENT OF DOCKS—Surveying Force—*Continued.*

NAME.	POSITION.	RESIDENCE.	SALARY.
Hiram C. Calkins	Hydrographer	280 Pleasant avenue	Mo., $75 00
Irving K. Taylor	"	320 Madison avenue	" 75 00
James W. Dikeman, Jr.	Chainman	2410 Second avenue	W'k, 12 00
John Keating	"	135 Cannon street	" 12 00
William McCarthy	"	40 James street	" 12 00
Thomas Sullivan	"	229 East 70th street	" 12 00
John Post	Boatman	281 Spring street	" 15 00
Charles Thompson	"	311 East 4th street	" 15 00
James J. White	"	311 Madison street	" 15 00
Randolph Gardeniere	Insp'r of Dumping of Dredged Material	135 West 12th street	" 15 00
Thomas J. Mallon	Insp'r of Dumping of Dredged Material	208 West 19th street	" 15 00
Charles Williams	Scowman, Acting Inspector of Dumping of Dredged Material	345 West 18th street	" 15 00
George W. Carpenter	Inspector of Dredging	529 Fourth avenue	Hour, 25
William McDermott	" "	455 West 18th street	" 25
William J. Ward	" "	280 West 11th street	" 25

General Repairs Force.

John Dunn	Master Dock Builder	168 East 102d street	$1,800 00
John C. Donohue	Clerk General Repairs Force	237 East 105th street	900 00
John W. Ingalls	Clerk	41 West 56th street	900 00

At Department Yards.

Robert M. Sterritt	Foreman Gansevoort st	456 West 50th street	Mo., 100 00
Nicholas Murphy	Foreman East 17th st.	60 Marion street	Hour, 25

On Floating Property.

William Shedlock	Supt. of Machinery	345 East 15th street	$1,500 00
William Rainer	Foreman Float'g Pr'ty	54 Tenth avenue	Mo., 100 00
David H. Lane	Clerk Floating Prop'ty	128 Bank street	900 00
Samuel Fitzpatrick	Officekeeperand Mess'r	812 Greenwich street	W'k, 15 00
John Sloan	Capt. Tug "Manhat'n"	376 West 35th street	Mo., 125 00
Matthew Murphy	Engineer, "	836 Greenwich street	" 100 00
Walter Noble	Fireman, "	275 Hudson street	" 60 00
Alfred W. Gee	Deckhand, "	262 Bleecker street	" 50 00
Martin Carroll	" "	635 Greenwich street	" 50 00
Thomas Stuyvesant	Capt., Derrick "City of New York"	385 Washington street	W'k, 25 50
Richard Munster	Rigger and Captain, 10-ton Derrick	66 Henry street	" 18 00
Edward Conklin	Captain, Pile Driver	1041 Second avenue	Hour, 35
William Love	" "	123 Avenue D	" 35
William H. Rose	Eng'r, 10-ton Derrick	407 West 18th street	W'k, 21 00
Joseph W. Beebe	" Pile Driver	301 East 60th street	Hour, 35
Robert Kyles	" "	513 Tenth avenue	" 35
Frank D. Smith	" "	62 Gansevoort street	" 35
Dennis F. Eagan	"	3 Ninth avenue	" 35
William H. Burnham	"	3 Desbrosses street	" 35
James Vandegrift	Fireman	49 Thirteenth avenue	W'k, 15 00
Patrick H. McCullough	Roundsman	737 Washington street	Mo., 100 00

DEPARTMENT OF TAXES AND ASSESSMENTS.

Staats Zeitung Building, Tryon Row, 9 A.M. to 4 P.M.; Saturdays, 3 P.M.

Commissioners and Subordinates.

NAME.	POSITION.	RESIDENCE.	SALARY.
MICHAEL COLEMAN	President	335 W. 23d street	$5,000 00
EDWARD C. DONNELLY	Commissioner	Boulevard, n'r 136th	4,000 00
THOMAS L. FEITNER	"	229 East 32d street	4,000 00
Floyd T. Smith	Secretary	311 West 14th street	2,750 00
Elisha J. Cadwell	Deputy Commissioner	121 East 39th street	3,000 00
William Kellock	"	240 East 50th street	2,500 00
Denis F. Burke	"	419 West 154th street	2,400 00
Frederick C. Wagner	"	136 East 44th street	2,400 00
James C. Strahan	"	243 West 126th street	2,400 00
James W. Connolly	"	63 Marion street	2,400 00
David Murray	"	627 Sixth avenue	2,400 00
James D. Ames	"	86 Chatham street	2,400 00
Henry Bracken	"	Tremont	2,400 00
Henry G. Autenreith	"	232 East 12th street	2,400 00
John Kavanagh	"	591 East 136th street	2,400 00
Twiss Bermingham	"	229½ West 52d street	2,400 00
John C. Keating	Clerk	333 Cherry street	1,500 00
George W. Cornell	"	177 East 93d street	1,500 00
John H. Whitney	"	139 Franklin avenue	1,500 00
William Hastings	"	417 West 73d street	1,500 00
Lansing D. Wilder	"	124 Lexington avenue	1,500 00
James P. Conner	"	132 Hart st., B'klyn	1,500 00
James F. Day	"	48 Madison street	1,500 00
Walter C. Rogers	"	141 West 41st street	1,500 00
Richard G. Newkirk	"	141 East 44th street	1,500 00
Isaac Robinson	"	40 King street	1,500 00
Hugh Kelly	"	124 East 27th street	1,500 00
Charles B. Kehoe	"	153 East 124th street	1,500 00
John A. Cooley	"	234 East 40th street	1,500 00
Germain Hauschel	"	5 Manhattan street	1,500 00
Edward P. Carroll	"	139 East 33d street	1,500 00
Thos. W. Byrnes	"	237 East 27th street	1,500 00
John Sigerson	"	257 Division street	1,500 00
John M. Sharkey	"	203 Lexington avenue	1,500 00
Charles M. Connolly	Clerk and Messenger	1250 Broadway	1,500 00
Francis A. Reicard	Clerk	132 East 93d street	1,400 00
David W. Gray	"	35 East 104th street	1,400 00
William Delamater	Superintendent	31 Stuyvesant street	1,000 00
Frank Van Outersterp	Messenger	146 East 54th street	1,000 00
Bernard Reilly	Map Clerk	531 East 11th street	900 00
William T. Black	Surveyor	119 East 61st street	3,600 00
Henry Morgan	Deputy Surveyor	177 Madison street	2,000 00

Board of Assessors.

Office: City Hall, Room No. 11½, 9 A.M. to 4 P.M.

Edward Gilon	Chairman	102 West 124th street	$3,000 00
Patk. M. Haverty	Assessor	231 East 67th street	3,000 00
Chas. E. Wendt	"	414 East 51st street	3,000 00
Van Brugh Livingston	"		3,000 00
Wm. H. Jasper	Secretary	160 East 122d street	2,800 00
Lamar W. Fisher	Clerk	20 East 27th street	2,000 00
George T. Alker	"	53 Charles street	1,800 00

BOARD OF EXCISE.

Corner Bond Street and Bowery, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
NICHOLAS HAUGHTON...	Commissioner (*Pres.*).	45 East 12th street...	$5,000 00
JOHN J. MORRIS... ...	" (*Treas.*)	111 West 21 street....	5,000 00
WILLIAM P. MITCHELL..	"	58 Seventh street.....	5,000 00
Elliott Sandford.....	Counsel.....	.....	5,000 00
John K. Perley.....	Sec. and Chief Clerk.	48 East 12th street....	2,500 00
George W. Clarke.....	Cashier.....	235 West 137th street.	2,000 00
Jerome Brady..... ...	Stenographer and Book-keeper.....	208 East 53d street...	2,000 00
Owen W. Flannagan....	Precinct Clerk.....	135 St. Ann's avenue.	1,500 00
Joseph J. Fay.....	Application Clerk....	558 Greenwich street.	1,200 00
William E. Haskin	Treasurer's Clerk	727 East 176th street	1,200 00
Francis J. O'Connor....	License Clerk.....	50 Roosevelt street...	1,200 00
Louis Aikle.....	Record Clerk.....	316 Sixth street.....	1,200 00
P. J. Carty	General Inspector....	311 East 11th street..	1,200 00
Neil Bryant.....	"	237 East 9th street...	1,200 00
E. J. Hamilton.....	"	13 West 22d street....	1,200 00
Edward Burke.....	Inspector.....	314 East 118 street...	900 00
James F. Butler...	"	194 First avenue.....	900 00
John Bennett.....	"	22 Batavia street.....	900 00
Charles E. Brehm.....	"	320 Sixth street.....	900 00
Thomas M. Canton.....	"	213 East 15th street..	900 00
John J. Carmody.....	"	17 Tompkins street....	900 00
Lawrence Collins.....	"	568 Third avenue....	900 00
Gershon Cohen.....	"	355 West 59th street..	900 00
John J. Cavanagh.....	"	370 Broome street....	900 00
Daniel F. Daly.....	"	315 West 20th street..	900 00
Peter D. Donnelly.....	"	253 West 36th street..	900 00
Patrick Fitzgerald.....	"	35 Washington street.	900 00
John Fitzpatrick.....	"	302 West 46th street..	900 00
James Galligan.....	"	405 West 44th street..	900 00
Leopold Garde.....	"	716 East 16th street..	900 00
Joseph Graves.....	"	50 Marion street.....	900 00
Andrew Govan.....	"	141 West 28th street..	900 00
William Hennessey.....	"	73 Second avenue....	900 00
Jeremiah Hayes.....	"	295 Madison street....	900 00
Keyron Holland.....	"	Kingsbridge road.....	900 00
James Harford.....	"	259 Avenue B.....	900 00
Alexander McKeever....	"	103 Waverley place...	900 00
John McGuire.....	"	569 Second avenue....	900 00
Meyer Knocker.....	"	231 Broome street....	900 00
Michael O'Rourke.....	"	223 Avenue B.....	900 00
John J. O'Connell.....	"	421 East 10th street..	900 00
Henry Opp	"	109 Washington street	900 00
Matthew Quinn.....	"	635 Ninth avenue....	900 00
Samuel Stricker.....	"	217 Greenwich street.	900 00
John Sullivan.....	"	504 Pearl street.....	900 00
James J. Welsh.....	"	203 East 27th street..	900 00
John Walker.....	Messenger	417 Pleasant avenue..	900 00
Thomas Maloney.....	"	302 East 117th street.	800 00
Mary E. A. Dymond....	Janitrix	201 West Houston st..	600 00

CITY MARSHALS.

FEES.

Abram Bernard, 104 East 30th street.
John J. Blair, 257 East Broadway.
George Bouesein, 337 West 38th street.
James Boylan, 381 Sixth avenue.
James M. Byrne, 318 West 47th street.
James Campbell, 527 Sixth avenue.
Solomon Cohen, 640 Sixth street.
Cornelius Farley, 160 East 70th street.
John C. Farlow, 4 Grand street.
Hugh J. Farrell, 307 East 37th street.
Denis Galvin, 232 East 29th street.
David Golden, 1237 Washington avenue.
Isaac C. Goldstein, 350 East 51st street.
Michael Goode, 943 Third avenue.
Albert L. Hall, 125 Sixth avenue.
George Hatzel, 196 East Houston street.
Alpheus W. Herriman, 241 East 81st st.
Joseph M. Hill, 215 East 51st street.
Henry A. Hoelzle, 260 West 36th street.
Thomas Hogan, 346 West 52d street.
Louis Leubuscher, 328 East 81st street.
Louis Levy, 336 East 55th street.
Richard M. Lush, 457 Second avenue.
John H. McCarthy, 33 East 133d street.
Lewis McDermott, 335 W. Houston st.
Michael Madigan, 18 Vestry street.
John B. Mulvihill, 226 East 107th st.
Henry Myers, 347 Third street.
Matthew Nugent, 204 East 37th street.
John B. Purroy, 350 West 38th street.
William F. Quinn, 429 West 37th street.
Louis Schlamp, Jr., 30 First street.
Thomas E. Slater, 250 West 20th street.
George J. Smith, 217 East 128th street.
Edward C. Taylor, 194 West 10th st.
David Ullman, 147 Clinton street.
Andrew Wagner, 350 West 45th street.

AQUEDUCT COMMISSIONERS.

Room 209, Stewart Building, 5th floor, 9 A.M. to 5 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
JAMES C. SPENCER	Commissioner	125 East 57th street	$8,000 00
WILLIAM DOWD	"	30 West 52d street	8,000 00
CHRIST'R C. BALDWIN	"	17 East 35th street	8,000 00
James W. McCulloh	Secretary	Englewood	6,000 00
Charles J. Febré	Bookkeeper	Brooklyn	1,500 00
George Lucas	Stenographer and Cl'k	Carmansville	1,500 00
John R. Vernam	Messenger	Ravenswood	800 00
John H. Timmerman	Auditor		2,500 00
Bureau of Chief Engineer.			
Benjamin S. Church	Chief Engineer	Sing Sing	$10,000 00
Joseph P. Davis	Consulting Engineer	13 East 22d street	6,000 00
Alphonse Fteley	Executive Engineer	Yonkers	7,000 00
Edward Wegmann, Jr.	Assistant Engineer	170 East 72d street	2,400 00
Walter S. Church	"		2,400 00
Thomas Franklin	"		2,400 00
Henry M. Patterson	Clerk	Yonkers	1,800 00
Frederick S. Cook	Ass't Eng'r in charge of Draughting Dep't	Tarrytown	2,400 00
Antonio A. Aguirre	Draughtsman	313 West 22d street	1,800 00
Corydon P. Karr	"	Tarrytown	1,500 00
Cæsar Leonhard	"	96th st. and Boulevard	1,500 00
Robert W. Creuzbaur	Ass't Draughtsman	Brooklyn	1,200 00
Charles C. Manning	"	Kingsbridge	1,200 00
Charles G. Gustafson	"	830 Broadway	1,200 00
Carlos F. Ferrer	"	Tarrytown	900 00
Leon G. Ghetti	"	Tremont	600 00

AQUEDUCT COMMISSIONERS—*Continued.*

Bureau of Engineer of Construction.

Name.	Position.	Residence.	Salary.
Henry S. Craven	Eng'r of Construction.	Irvington	$6,000 00
Frederick W. Watkins	Assistant Engineer	118 East 115th street	2,400 00
Robert H. Moore	"	Tarrytown	1,800 00
Alfred Craven	Division Engineer	"	2,400 00
Charles S. Gowen	Assistant Engineer	"	1,800 00
John M. Wolbrecht	"	"	1,800 00
Evelyn P. Roberts	"	"	1,800 00
Frederick H. Baldwin	"	"	1,800 00
Edward D. Johnston	Leveler	"	1,500 00
Robert Ridgeway	"	"	1,500 00
William W. Proctor	Property Clerk	"	1,500 00
Edward E. DeLancy	Rodman	"	900 00
Frank N. Speyer	Leveler	"	1,200 00
Thomas D. Whistler	Assistant Engineer	"	1,800 00
Marcus Washburn	Rodman	"	900 00
Walter McCulloh	Transitman	"	1,500 00
Addis E. Carr	Chainman	"	720 00
Curtiss Millard	Transitman	"	1,500 00
Harry R. Wheeler	Leveler	"	1,200 00
Arthur B. Satterlee	Rodman	"	900 00
Isaac H. Baxter	"	"	900 00
John M. Stewart	Transitman	"	1,500 00
Robert E. Morris	Assistant Engineer	"	1,700 00
Edward S. Larned, Jr.	Rodman	"	900 00
Lincoln Frank	Chainman	"	720 00
Albert H. Porter	Rodman	"	900 00
Arthur H. Grant	"	"	900 00
Timothy Baven	Axeman	"	720 00
Norman R. Kelly	Mech'l Draughtsman	"	1,500 00
Wm. G. Atkinson	Ass't Draughtsman	"	1,200 00
William R. Warfield	Assistant Engineer	"	1,800 00
Alex. C. Chenowith	Transitman	"	1,500 00
Henry N. Hamilton	Leveler	"	1,200 00
Herbert C. Alden	Rodman	"	900 00
Charles G. Dow	"	"	900 00
George E. Washburn	Chainman	"	720 00
Cornelius V. V. Powers	"	"	720 00
Frederick E. Waldron	"	"	720 00
James P. Carson	Assistant Engineer	"	1,800 00
George R. Olney	Leveler	"	1,200 00
Henry J. Dodge	Rodman	"	900 00
Frederick W. Carpenter	Chainman	"	250 00
Edward F. Playle	"	"	250 00
William B. Swan	Assistant Engineer	"	1,800 00
Charles P. Bonnett	Chainman	"	720 00
Daniel S. Dickinson	"	"	600 00
E. Sherman Gould	Division Engineer	"	2,400 00
Samuel F. Morris	Assistant Engineer	"	1,800 00
Preston K. Yates	"	"	1,800 00
David B. Lewis	Leveler	"	1,200 00
Gustav Cure	Chainman	"	720 00
Robert C. Nicholas	Rodman	"	900 00
Richard Baldwin	Chainman	"	720 00
Alfred Renshaw	Leveler	"	1,200 00

AQUEDUCT COMMISSIONERS—Bureau of Engineer of Construction—*Continued.*

NAME.	POSITION.	RESIDENCE.	SALARY.
Beverly R. Value	Leveler	Tarrytown	$1,200 00
Josiah H. Fitch	Rodman	"	900 00
Louis P. De Luze	"	"	900 00
Wilbur E. Horton	"	"	900 00
William S. Wilson	Purveyor	"	720 00
Alfred A. Horne	Assistant Engineer	"	1,800 00
Royal Chapin	"	"	1,800 00
Solomon Davis	Transit man	"	1,500 00
Henry H. Bowly	Leveler	"	1,200 00
George C. Marrin	Chainman	"	720 00
John B. McIntyre	Division Engineer	"	2,400 00
Judd A. Lockwood	Transitman	"	1,500 00
George H. Cunningham	Leveler	"	1,200 00
Robert A. McKim	Chainman	"	720 00
Joseph T. Underhill	"	"	720 00
George Endicott	"	"	850 00
Charles K. Grade	Transitman	"	1,500 00
William S. Page	Rodman	"	900 00
Ramsey Turnbull	Chainman	"	720 00
David O'Shea	"	"	720 00
Edward Whitehouse	"	"	720 00
William S. Humbert	Transitman	"	1,500 00
Frederick P. Rodgers	Leveler	"	1,200 00
Langdon C. Estin	Chainman	"	720 00
Andrew J. Lamb	"	"	720 00
Abram W. Kellogg	"	"	720 00

SHERIFF'S OFFICE.

Nos. 3 and 4 New County Court-house, 9 A.M. to 4 P.M.

HUGH J. GRANT	Sheriff	303 West 54th street	Fees.

Order of Arrest Department.

David McGonigal	Chief in Charge	56 East 9th street	Fees.

REGISTER'S OFFICE.

East Side City Hall Park, 9 A.M. to 4 P.M.

JOHN REILLY	Register	314 East 14th street	Fees.
James A. Hanley	Deputy Register	83 St. Mark's place	"
Charles Blauvelt	Satisfaction Clerk	13 West 134th street	"
Lewis H. Watts	Chief Clerk	132 East 105th street	"
Michael Grady	Tickler Clerk	151 East 30th street	"
John Pyne	Collector	231 East 35th street	"
Edward F. Smith	Examiner	130½ Mulberry street	"
William F. Loper	Chattel Mortgage C'k.	33 East 9th street	"
Henry W. Murphy	Index Clerk	2398 Eighth avenue	"
Michael F. Fitzpatrick	"	365 Third avenue	"

REGISTER'S OFFICE—*Continued.*

Name.	Position.	Residence.	Salary.
Frank P. Young	Index Clerk	382 West 84th street	Fees.
John A. Boyle	Delivery Clerk	539 Second avenue	"
Daniel L. Coyle	Map Clerk	356 East 13th street	"
Henry E. Dreher	Reader	154 Ludlow street	"
Patrick H. Neeson	Custodian	224 First avenue	"
Stephen M. Anderson	Searcher	298 West 12th street	"
Hugh Brady	Recording Clerk	26 New Chambers st.	"

Employees for the Preservation of Public Records, Maps, etc.

Francis McNicol	Examiner	327 East 12th street	$1,500 00
Simon P. Donnelly	Reader	526 East 14th street	1,200 00
John R. Farley	Recording Clerk	200 First avenue	1,200 00

COUNTY CLERK'S OFFICE.

Nos. 7 and 8 New County Court-house, 9 A.M. to 4 P.M.

James A. Flack	County Clerk	425 East 57th street	$3,000 00
Edward Sellock	Deputy County Clerk		5,000 00
Demos L. Holmes	Ass't Dep'y County C'k	49 Seventh street	3,000 00
Charles J. McGee	Mechanics' Lien Clerk	468 Sixth avenue	3,000 00
Edward J. Stapleton	Judgm't Roll, Docket, and Ass't Law Clerk	47 St. Mark's place	3,000 00
Denis Burns	Lis Pendens Docket C'k	23 City Hall place	2,500 00
John Kenny	Transcript Docket C'k	51 Pitt street	2,500 00
Thomas F. Penny	Certificate Clerk	319 East 79th street	2,500 00
Edmund M. Plum	Clerk of Records	22 King street	2,500 00
Michael Whelan	Ass't Clerk of Records	592 Tenth avenue	1,000 00
John M. Early	Record Index Clerk	211 East 38th street	1,000 00
Michael W. Bowen	Comparing Clerk	22 Rose street	1,500 00
David J. Daly	"	339 East 33d street	1,500 00
John J. Mulqueen	"	22 Hamilton street	1,500 00
Charles H. Stromberg	Indexing Incorporations Clerk	171 Forsyth street	1,200 00
Louis Myers	Clerk of Incorporation Records	22 Avenue C	1,000 00
John H. Roberts	Chief Recording and Ass't Equity Clerk	324 East 3d street	2,500 00
Bartholomew G. Buckley	Recording Clerk	35 City Hall place	1,500 00

SURROGATE'S OFFICE.

Daniel G. Rollins	Surrogate	230 West 42d street	$12,000 00
Charles E. Soule	Law Ass't to Surrogate	23 West 10th street	3,000 00
William V. Leary	Chief Clerk	931 Tenth avenue	5,000 00
Edward W. Bonynge	Deputy Chief Clerk	153 East 91st street	3,000 00
Ausburn M. Dickinson	C'k of Surrogate's C'rt	1185 Lexington ave.	3,000 00
Edward F. Underhill	Stenographer	203 East 13th street	3,000 00

SURROGATE'S OFFICE—*Continued.*

Name.	Position.	Residence.	Salary.
Charles H. Beckett.....	Probate Clerk.....	35 West 10th street...	$2,000 00
John H. Gunner.....	Ass't Probate Clerk...	362 East 69th street..	1,500 00
Henry Harland.	Accounting Clerk....	35 Beekman place....	1,800 00
George Emmet Best.....	Ass't to Account'g C'k	277 West 127th street.	1,200 00
Thomas Riker.....	Administration Clerk.	303 Broome street....	1,800 00
James H. Tobin.....	Ass't to Administrat'n Clerk	168 Varick street.....	1,000 00
Bernard F. Gatens.....	Sup't of Recording C'ks	306 West 18th street..	1,800 00
Charles H. Traitteur	Interpreter.....	115 East 28th street..	1,500 00
Samuel A. Madge.....	Sup't of Records.....	61 East 132d street...	1,500 00
Denis Shea.....	Guardian Acc'ting C'k	33 Vandewater street.	1,500 00
Henry C. Dowley.....	Index Clerk.	52 West 47th street...	1,500 00
William H. McIntire....	Calendar Clerk	22 West 28th street...	1,400 00
Nicholas P. Hayes.....	Guardian Clerk	36 Great Jones street.	1,200 00
James J. Barton.....	Rec'd C'k and Searcher	68 West 38th street...	1,200 00
Edward L. Waterbury...	Ass't to Record Clerk and Searcher.....	321 West 13th street..	1,000 00
Charles E. Quimby.....	Letters Testament'y C'k	128 East 26th street..	1,200 00
Lewis A. Strahan.....	Recording Clerk.....	345 West 34th street..	1,200 00
John W. Bartine.....	"	362 West 52d street ..	1,000 00
Frank B. Wright.....	"	227 East 50th street..	1,000 00
Robert Hunt..... ...	"	113 East 115th street.	1,000 00
Thomas M. Marsac	"	227 West Houston st..	1,000 00
Charles M. Diamond....	"	12 East 3d street.....	1,000 00
Charles Freligh.....	"	50 Pitt street.....	1,000 00
Thomas F. Barker.....	Record'g and Entry C'k	80 West 3d street.....	1,000 00
William Doane.....	Recording Clerk.....	36 West 27th street...	900 00
Giles W. Dart.....	"	323 West 59th street..	900 00
Henry Klarman.....	"	606 East 14th street..	850 00
Robert Hastings...	Court Attendant.....	461 West 21st street..	1,200 00
William Freeman.....	"	290 Wooster street....	900 00
Abraham Kimmelstiel...	"	174 East 109th street.	750 00
Elwin R. Kent.....	Private Stenographer to Surrogate.....	109 East 28th street..	900 00
David Doren..... ..	Messenger.....	36 Greenwich street ..	900 00
Edward Pope	"	224 East 25th street..	750 00
Eugene B. Collins	"	313 West 44th street..	550 00
Louise S. Bonynge.....	Copyist	260 Clifton pl., B'klyn	800 .00
Mattie C. Underhill.....	"	423 Third avenue.....	800 00
Hattie E. Dudley.....	"	428 Franklin av., B'kl'n	800 00

Clerks for the Preservation of Public Records, Maps, and Papers.

Ferdinand Dreyer.....	Examiner	157 East 3d street....	$1,300 00
John F. Condon.....	Recording Clerk.....	58 North Moore street	1,100 00
Caspar Hartmayer.....	"	149th st., bet. Bergen and Brook avenues.	1,100 00
Richard H. McGuire....	"	217 Mott street	900 00
Roger Burke, Jr.....	"	52 Henry street.....	900 00
William H. Beeannon...	"	163 West 128th street.	900 00
William S. Dow.....	"	233 Henry street.....	850 00
John W. McMahon.....	"	360 Delancey street...	800 00

DISTRICT ATTORNEY'S OFFICE.

Second floor, Brown-stone Building, City Hall Park, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
RANDOLPH B. MARTINE.	District Attorney.....	334 East 118th street.	$12,000 00
John R. Fellows.	Ass't District Attorney	152d st. and 10th ave.	7,500 00
Edward L. Parris.....	" "	149 West 41st street..	7,500 00
De Lancey Nicoll.....	" "	47 East 25th street...	7,500 00
Gunning S. Bedford....	" "	66 Fifth avenue.....	7,500 00
James Fitzgerald.....	Deputy Ass't "	311 East 19th street..	4,000 00
Vernon M. Davis.....	" "	10 East 130th street..	3,500 00
Bernard J. Douras.....	" "	173 Henry street.....	3,500 00
Ambrose H. Purdy.....	Trial Assistant.....	150 East 40th street..	2,000 00
John M. Coman.....	Dep'y Ass't Dist. Att'y and Chief Clerk....	336 East 119th street..	4,000 00
William N. Penney.....	Secretary and Bail C'k	41 Vandam street....	3,000 00
John F. Brennan.....	Record Clerk.....	956 Eighth avenue...	1,600 00
Ernest M. Applegate....	Subpœna Server.....	330 East 123d street..	1,300 00
John J. Carroll..... ...	"	245 Clinton street....	1,300 00
George G. Banzer.....	"	339 East 22d street...	1,300 00
Charles Merritt.....	"	506 West 22d street...	1,300 00
Cornelius M. Stokes	Grand Jury Clerk and Subpœna Server....	324 East 31st street...	1,300 00
Wm. H. Von Gerichten.	Clerk.....	293 West Houston st.	800 00
John D. Lindsay.....	Indictment Clerk.....	5 East 30th street....	1,100 00
Rudolph L. Scharf.....	Law Clerk.....	154 Allen street.....	1,000 00
Enoch S. Jordan.....	Stenographer.....	1213 Park avenue	2,000 00

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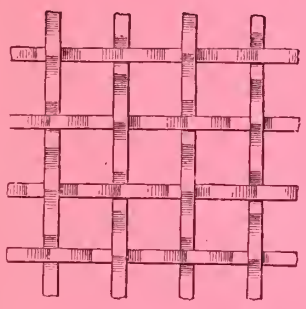

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COMMISSIONER OF JURORS.

Room 127, Stewart Building, Chambers street and Broadway, 9 A.M. to 4 P.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
CHARLES REILLY	Comm'ner of Jurors	173 Henry street	$5,000 00
James E. Conner	Dep'y Com'r of Jurors	231 Mulberry street	2,000 00
George W. Lawrence	Ass't Dep'y "	484 West 105th street	1,600 00
Andrew Doyle	Canvasser	51 Beach street	1,400 00
Abraham W. Moynihan	Enrollment Clerk	298 Seventh street	1,100 00
William J. Plunkett	"	8 West 44th street	1,000 00
Frederick O'Byrne	Register Clerk	233 East 31st street	1,000 00
Thomas Campbell	Messenger	296 Delancey street	900 00

COMMISSIONERS OF ACCOUNTS.

Rooms 114 and 115 Stewart Building, 9 A.M. to 4 P.M.

WM. P. SHEARMAN	Commissioner	St. Cloud Hotel	$5,000 00
JOSEPH B. ADAMSON	"	2762 Webster avenue	5,000 00
Isaac B. DeVoe	Temporary Assistant	675 East 141st street	Mo.,140 00

BOARD OF REVISION AND CORRECTION OF ASSESSMENTS.

EDWARD V. LOEW	Comptroller	25 West 57th street	None.
E. HENRY LACOMBE	Counsel to Corporation	81 Clinton place	"
FREDERICK SMYTH	Recorder	15 West 46th street	$1,000 00
Richard A. Storrs	Chief Clerk	115 Lexington avenue.	None.

ASSESSMENT COMMISSION.

(Chapter 550, Laws of 1880.)

DANIEL LORD, Jr	Comm'ner (Chairman)	5 East 9th street	$3,000 00
JOHN KELLY	"	34 East 69th street	3,000 00
ALLAN CAMPBELL	"	125 Lexington avenue.	3,000 00
JOSEPH GARRY	"	217 East 39th street	3,000 00
James J. Martin	Clerk	996 Sixth avenue	2,500 00
Edward B. Dickinson	Stenographer	Brooklyn, N. Y.	2,500 00
John A. Beall	Counsel for City of New York	149 Broadway	6,000 00

BOARD OF ESTIMATE AND APPORTIONMENT.

WILLIAM R. GRACE, Mayor.
EDWARD V. LOEW, Comptroller.
ROBT. B. NOONEY, President of the Board of Aldermen.
MICHAEL COLEMAN, President of the Department of Taxes and Assessments.

CHARLES V. ADEE, Clerk.
Office of Clerk, Staats Zeitung Building, Room 5.

COMMISSIONERS OF THE SINKING FUND.

Name.	Position.	Residence.	Salary.
William R. Grace.....	Mayor (Chairman) ...	31 East 38th street...	None.
Frederick Smyth.....	Recorder.....	15 West 46th street...	$1,000 00
Edward V. Loew.....	Comptroller	25 West 57th street...	None.
William M. Ivins.....	Chamberlain	.....	"
Charles H. Reilly....	Ch'rman Finance Com., Board of Aldermen.	529 East 86th street..	"
W. H. Dikeman.....	Secretary.....	132 East 47th street..	"

BOARD OF STREET OPENING AND IMPROVEMENT.

William R. Grace, Mayor (Chairman).
Edward V. Loew, Comptroller.
Rollin M. Squire, Commissioner of Public Works.
Henry R. Beekman, President of the Department of Public Parks.
Robt. B. Nooney, President of the Board of Aldermen.
Arthur Berry, Secretary.

GAS COMMISSION.

William R. Grace, Mayor.
Edward V. Loew, Comptroller.
Rollin M. Squire, Commissioner of Public Works.
S. McCormick, Supt. of Lamps and Gas, Secretary.

CIVIL SERVICE ADVISORY AND EXAMINING BOARDS.

Room No. 11, City Hall.

Everett P. Wheeler..	Ch'rman Advisory B'd	120 Broadway.....	$1,000 00
Edwin L. Godkin	Member "	210 Broadway.....	1,000 00
E. Randolph Robinson	" "	150 Broadway.....	1,000 00
A. R. Macdonough.....	Ch'rman Exam'g B'd, Schedules B and C.	25 Madison avenue...	Ses., 10 00
Wyllys Hodges.....	Member Exam'g B'd, Schedules B and C .	24 Park place.....	" 10 00
Edward A. Page.....	Member Exam'g B'd, Schedules B and C .	158 West 130th street.	" 10 00
Arthur H. Dundon.....	Ch'rman Exam'g B'd. Schedule D.....	Fordham.....	" 10 00
Daniel B. Smith.....	Member Exam'g B'd, Schedule D.....	74 Warren street.....	" 10 00
James Moir.....	Member Exam'g B'd, Schedule D.....	26 West 10th street...	" 10 00
T. Herring Burchard, M.D.	Ch'rman Exam'g B'd, Schedules E and F.	24 West 40th street...	" 10 00
Thomas H. Manley, M.D.	Member Exam'g B'd, Schedules E and F.	244 West 55th street..	" 10 00
F. Tilden Brown, M.D..	Member Exam'g B'd, Schedules E and F.	25 East 29th street...	" 10 00

CIVIL SERVICE ADVISORY AND EXAMINING BOARDS—*Continued.*

NAME.	POSITION.	RESIDENCE.	SALARY.
Charles H. Woodman...	Seeret'y and Exeeutive Officer	Brooklyn.....	$5,000 00
Seligman Manheimer....	Assistant.....	227 West 33d street...	1,000 00
Gustave A. Carls.....	Clerk.....	113 East 105th street.	800 00
Henry A. Rieeks.....	Messenger.....	23 East 20th street...	W'k, 12 00
John McEntee.....	Assistant to Janitor ..	407 East 18th street..	Mo., 35 00

INSPECTORS AND SEALERS OF WEIGHTS AND MEASURES.

JOHN MURRAY	Inspector, First Dist..	130th st. and 10th ave.	$1,500 00
WILLIAM EYLERS.....	Sealer, First Distriet..	71 Fourth avenue	1,200 00
JOSEPH SHANNON.....	Inspeetor, Seeond Dist.	217 Mulberry street...	1,500 00
CHRISTOPHER BARRY...	Sealer, Second District	121 Henry street.....	1,200 00

CORONERS' OFFICE.

Nos. 13 and 15 Chatham Street, 8 A.M. to 5 P.M. Sundays and holidays, 8 A.M to 12.30 P.M.

FERDINAND LEVY.....	Coroner.....	122 Seeond avenue...	$5,000 00
JOHN R. NUGENT.....	"	317 East 13th street..	5,000 00
FERDINAND EIDMAN...	"	60 East 4th street....	5,000 00
MICHAEL J. B. MESSEMER	"	150 Seeond avenue ...	5,000 00
Philip E. Donlin.....	Coroner's Physician ..	129 West Houston st..	3,000 00
William T. Jenkins.....	" ..	121 East 26th street..	3,000 00
William A. Conway.....	" ..	131 East Broadway...	3,000 00
Edward J. Messemer....	" ..	144 Second avenue ...	3,000 00
John T. Toal.....	Clerk, B'd of Coroners	167 Henry street.....	3,500 00

COURT OF GENERAL SESSIONS OF THE PEACE AND COURT OF OYER AND TERMINER.

No. 32 Chambers street. Parts I. and II. Court opens at 11 o'clock A.M.

NAME.	POSITION.	RESIDENCE.	SALARY.
FREDERICK SMYTH	Recorder	15 West 46th street	$12,000 00
HENRY A. GILDERSLEEVE	Judge	28 West 48th street	12,000 00
RUFUS B. COWING	City Judge	138 East 78th street	12,000 00
John Sparks	C'k Gen'l Sessions and Over and Terminer	11 East 33d street	7,000 00
Edward J. Hall	Deputy Clerk General Sessions and Over and Terminer	230 West 42d street	5,000 00
William Moser	Assistant Clerk General Sessions	48 West 9th street	3,000 00
Henry Welsh	Assistant Clerk General Sessions	166 East 114th street	2,500 00
Albert Elterich	Assistant Clerk General Sessions	160 Rivington street	1,200 00
William Anderson	Stenographer	98 Wilson st., B'klyn	2,500 00
Gerald McKenny	"	61 S. Washington sq	2,000 00
Philip Dollin	Interpreter	163 East 74th street	2,500 00
Albert J. Alsing	"	311 East 109th street	2,000 00
John Bodine	Attendant	129 Chambers street	1,200 00
William Colligan	"	58 Monroe street	1,200 00
James R. Cosgrove	"	491 Third avenue	1,200 00
Richard Cullen	"	329 East 82d street	1,200 00
Lawrence A. Curry	"	352 East 74th street	1,200 00
Thomas J. Dolan	"	873 Eighth avenue	1,200 00
John Garnett	"	128 West 59th street	1,200 00
Michael Harrington	"	556 Tenth avenue	1,200 00
Charles Knight	"	21 Eldridge street	1,200 00
Robert Lindsay	"	74 Bank street	1,200 00
William J. McNeill	"	161 West 31st street	1,200 00
Eilert Miller	"	312 East 114th street	1,200 00
Thomas F. Morris	"	138th st. & McComb av	1,200 00

SUPREME COURT.

Second floor, New County Court-house, 10½ A.M. to 3 P.M.

NOAH DAVIS	Presiding Justice	44 West 56th street	$11,500 00
JOHN R. BRADY	Justice	19 West 33d street	11,500 00
CHARLES DONOHUE	"	7 East 65th street	11,500 00
ABRAHAM R. LAWRENCE	"	9 West 33d street	11,500 00
GEORGE C. BARRETT	"	28th st., cor. 5th ave	11,500 00
CHARLES H. VAN BRUNT	"	21 East 46th street	11,500 00
GEORGE P. ANDREWS	"	465 Fifth avenue	11,500 00
John D. Coughlin	Law Clerk	215 East 52d street	3,500 00
Edward Selleck	Equity Clerk	947 Second avenue	3,500 00

SUPREME COURT—*Continued.*

Name.	Position.	Residence.	Salary.
William Lamb, Jr.	Clerk, General Term	107 Seventh avenue	$2,000 00
Thomas J. Dunn	C'k, Spec'l T'm, Part I.	299 Seventh street	2,000 00
Frederick C. Lane	" " " II	132 West 22d street	2,000 00
Walter A. Brady	Chambers Clerk	134 Eastern Boulevard	2,000 00
Samuel Barry	Clerk, Circuit, Part I.	547 West 29th street	2,000 00
Joseph J. McEvoy	" " II.	152d st. and 10th ave.	2,000 00
John Von Glahn	" " III.	65 Baxter street	2,000 00
J. Lewis Lyon	" " IV.	162 West 44th street	2,000 00
John P. Gaw	Recording Clerk	145 Sixth avenue	1,500 00
James E. Hasson	"	189 Greenwich street	1,500 00
James R. Kiernan	C'k of Chambers Rec'ds	15 Madison street	1,000 00
William H. Rickitts	Crier	160 Lexington avenue	2,500 00
Edward J. Knight	Librarian	21 Eldridge street	1,500 00
Robert Bonynge	Stenographer	320 East 124th street	2,500 00
Charles B. Collar	"	509 Gates ave., Br'klyn	2,500 00
Robert Maeklin	"	183 East 64th street	2,500 00
William F. Bonynge	"	140 Nassau street	2,500 00
Frederick D. Storey	"	108 East 122d street	2,500 00
James J. Nealis	"	242 Madison street	2,500 00
James B. Sheridan	"	2117 Sixth avenue	2,500 00
William A. Donnell	" Part IV.	1186 Washington ave.	2,500 00
Benjamin W. Buchanan	Attendant	190 Wooster street	1,200 00
Thomas G. Moore	"	143 East 39th street	1,200 00
James L. McNeirny	"	357 West 83d street	1,200 00
Michael Condon	"	586 East 140th street	1,200 00
Edward Moloney	"	430 Pearl street	1,200 00
Julius B. Arnold	"	27 East 132d street	1,200 00
James Corr	"	321 Stanton street	1,200 00

SUPERIOR COURT.

Third floor, New County Court-house, 11 A.M.

John Sedgwick	Chief Judge	201 West 55th street	$15,000 00
Hooper C. Van Vorst	Judge	811 Madison avenue	15,000 00
John J. Freedman	"	120 West 125th street	15,000 00
Charles H. Truax	"	7 West 124th street	15,000 00
Richard O'Gorman	"	416 West 23d street	15,000 00
George L. Ingraham	"	15 East 66th street	15,000 00
Thomas Boese	Chief Clerk	140 East 38th street	6,000 00
John McK. McCarthy	Deputy Clerk	160 West 48th street	5,000 00
J. H. Hobart Ward	Assistant Clerk	230 East 50th street	2,500 00
William Haviland	"	215 East 13th street	2,500 00
Owen E. Westlake	"	271 East Broadway	2,500 00
George W. Russell	"	115 East 126th street	2,500 00
Edwin Coe	"	31 Bank street	2,500 00
Ernest C. Berckmann	"	95 Rivington street	2,500 00
Wilson Small	"	266 Henry street	2,500 00
Willis P. Miner	"	18 West 129th street	2,000 00
J. Phelps Wingate	"	212 East 10th street	2,500 00

SUPERIOR COURT—*Continued.*

Name.	Position.	Residence.	Salary.
Clifford Boese	Assistant Clerk	222 East 33d street	$1,500 00
Henry L. Van Hoesen	"	60 West 47th street	1,500 00
Jesse Oakley	"	226 East 82d street	1,200 00
William Guntzer	"	115 Second street	1,200 00
Adolphus F. Warburton	Stenographer	43 East 41st street	2,500 00
Henry M. Parkhurst	"	25 Chambers street	2,500 00
James E. Munson	"	101 East 39th street	2,500 00
Edwin N. Robbins	"	207 West 14th street	2,500 00
William H. Berrigan	Attendant	586 Broome street	1,200 00
John T. Wright	"	410 West 25th street	1,200 00
Henry C. Petty	"	360 West 29th street	1,200 00

COURT OF COMMON PLEAS.

Third floor, New County Court-house, 11 A.M.

Henry W. Bookstaver	Chief Judge		$15,000 00
Richard L. Larremore	Judge	32 East 60th street	15,000 00
Joseph F. Daly	"	19 East 62d street	15,000 00
George M. Van Hoesen	"	62 West 47th street	15,000 00
Miles Beach	"	21 West 53d street	15,000 00
Henry Wilder Allen	"	New York Hotel	15,000 00
Nathaniel Jarvis, Jr.	Clerk	124 West 23d street	6,000 00
John B. Jarvis	Deputy Clerk	124 West 23d street	2,000 00
Joseph B. Coe	Assistant Clerk	1714 Madison avenue	2,500 00
Isaiah Keyser	"	695 Lexington avenue	2,500 00
William P. Richardson	"	598 East 141st street	2,500 00
James P. Rogers	"	440 West 34th street	2,500 00
William S. Keiley	"	142 West 48th street	2,500 00
Nathan S. Jarvis	"	2035 Seventh avenue	2,500 00
Charles F. Koehler	"	1462 Lexington avenue	2,500 00
John H. Loos	"	131st st. and 8th ave.	2,500 00
Charles U. O'Connell	"	Grand Hotel	2,500 00
Victor Gerard	"	162 West 23d street	2,000 00
DeWitt C. Graham	"	152 East 37th street	1,500 00
William L. Taylor	"	82 West 11th street	1,500 00
Albert E. Coehran	Stenographer	311 West 55th street	2,500 00
Clifton B. Bull	"	40 West 25th street	2,500 00
John Cotter	"	600 East 141st street	2,500 00
George L. Greene	Attendant	236 East 105th street	1,200 00
Henry Smith	"	380 East 4th street	1,200 00
John Schutz	"	238 East 4th street	1,200 00
Michael Hall	"	172 East 63d street	1,200 00
John W. Martin	"	201 East 71st street	1,200 00

CITY COURT OF NEW YORK.

City Hall.

Name.	Position.	Residence.	Salary.
David McAdam	Chief Justice	338 West 29th street	$10,000 00
Simon H. Ehrlich	Justice		10,000 00
Charles J. Nehrbas	"	27 Jefferson street	10,000 00
S. Burdett Hyatt	"	148 East 72d street	10,000 00
Ernest Hall	"	Boston ave. and Spring place, Morrisania	10,000 00
Edward Browne	"	223 West 22d street	10,000 00
John Reid	Clerk	249 East 128th street	3,000 00
George W. Wallace	Deputy Clerk	251 West 131st street	3,500 00
William H. Ten Eyck	"	141st st.& Alexander av	2,000 00
William E. McDonald	Assistant Clerk	229 West 124th street	2,000 00
Joseph Reilly	"	59 East 123d street	2,000 00
George Croker	"	217 East 18th street	2,000 00
James J. McCloskey	"	142 West 45th street	2,000 00
William J. Boyhan	"	633 Second avenue	2,000 00
James A. Vose	"	19 West 12th street	2,000 00
Christian Schieck, Jr.	"	343 East 18th street	1,500 00
Thomas Carroll	"	205 West 24th street	1,500 00
Thomas W. Fitzgerald	"	259 West street	1,500 00
William Henry	"	708 Lexington avenue	1,500 00
Frederick J. Warburton	Stenographer	45 East 41st street	2,500 00
Charles L. Guy	"	264 West 17th street	2,500 00
Frederick W. Hoffmann	Interpreter	168 East 71st street	1,500 00
James Kiernan	Attendant	362 Fourth avenue	1,200 00
Joseph A. Jacobs	"	310 West 32d street	1,200 00
Lawrence Harney	"	73 West 44th street	1,200 00
Alexander Smyth	"	717 East 141st street	1,200 00
Frederick Tourelle	"	162 Franklin street	1,000 00

POLICE COURTS.

Patrick G. Duffy	Police Justice	Astor House	$8,000 00
J. Henry Ford	"	Hoffman House	8,000 00
John J. Gorman	"	56 East 67th street	8,000 00
Henry Murray	"	451 West 47th street	8,000 00
Daniel O'Reilly	"	64 Marion street	8,000 00
Jacob M. Patterson	"	152 Stanton street	8,000 00
Maurice J. Power	"	218 East 25th street	8,000 00
Solon B. Smith	"	232 East 50th street	8,000 00
Charles Welde	"	77 East 124th street	8,000 00
Andrew J. White	"	349 Pleasant avenue	8,000 00
George W. Cregier	Secretary Board of Police Justices	341 West 98th street	1,000 00
George W. Cregier	Police Clerk	341 West 98th street	3,000 00
Knox McAfee	"	327 West 30th street	3,000 00
Henry C. Perley	"	247 East 50th street	3,000 00
Charles Reilly	"	213 Clinton street	3,000 00

POLICE COURTS—*Continued.*

Name.	Position.	Residence.	Salary.
Conrad M. Smyth	Police Clerk	713 Sixth avenue	$3,000 00
John Tracey	"	30 East 42d street	3,000 00
Abram Brown, Jr.	Clerk's Assistant	55 East 79th street	2,000 00
Patrick Daly	"	342 East 55th street	2,000 00
Michael Dolan	"	309 East 23d street	2,000 00
Victor Heimberger	"	249 Seventh street	2,000 00
Addison G. Jerome	"	Ashland House	2,000 00
William J. Kennedy	"	69 East 125th street	2,000 00
George Kuster	"	302 East 56th street	2,000 00
Charles D. Lemmon	"	211 West 44th street	2,000 00
Thomas E. Murray	"	451 West 47th street	2,000 00
James McCabe	"	221 East 62d street	2,000 00
John E. McGowan	"	3 East 124th street	2,000 00
John B. McKean	"	530 East 120th street	2,000 00
William Morgan	"	68 W. Washington pl.	2,000 00
Richard K. Power	"	411 West 45th street	2,000 00
James A. Lyon	Stenographer	1129 North 3d avenue	2,000 00
James W. Brinck	Court Attendant	332 West 47th street	1,500 00
John Fredreck	Interpreter	325 East 31st street	1,200 00
Francis P. Knapp	"	61 North Moore street	1,200 00
David C. Seltman	"	331 West 50th street	1,200 00
Michael Trageser	"	731 Ninth avenue	1,200 00

COURT OF SPECIAL SESSIONS.

George M. Wood	Clerk	Fordham Heights	$6,000 00
Joseph A. Monheimer	Deputy Clerk	144 East 37th street	5,000 00
David S. Veitch	Stenographer	84 Sixth avenue	2,500 00
Gustav St. Albe	Interpreter	330 East 18th street	2,000 00
Patrick McConnell	Subpœna Clerk	115 West 28th street	2,000 00
David Crocheron	"	1980 Madison avenue	2,000 00
Henry L. Wright	"	75 East 4th street	2,000 00
John McAuliffe	Messenger	411 West 39th street	1,500 00

DISTRICT COURTS.

First District Civil Court.

Michael Norton	Justice	42 Charlton street	$6,000 00
Louis C. Bruns	Clerk	21 Thompson street	3,000 00
Walter C. Callahan	Assistant Clerk	152 Washington street	3,000 00
William W. Vaughn	Stenographer	40 Irving place	2,000 00
Bruno Bocks	Interpreter	471 Canal street	1,200 00
John Purcell	Attendant	49 King street	1,000 00
Edward O'Grady	"	61 West street	1,000 00

DISTRICT COURTS—*Continued.*

Second District Civil Court.

Name.	Position.	Residence.	Salary.
Charles M. Clancy	Justice	65 Prince street	$6,000 00
James Dunphy	Clerk	5 Madison street	3,000 00
Francis Mangin	Assistant Clerk	285 Mott street	3,000 00
Samuel Wolf	Stenographer	47 Franklin street	2,000 00
Diedrich Knabe	Interpreter	195 Elm street	1,200 00
Edward Maher	Attendant	130 White street	1,200 00
William McMullen	"	25 Spring street	1,000 00

Third District Civil Court.

George W. Parker	Justice	Colonnade Hotel	$6,000 00
George B. Deane, Jr.	Clerk	67 Bank street	3,000 00
Whitfield Van Cott	Assistant Clerk	49 Clinton place	3,000 00
Michael J. Kelly	Stenographer	343 West 83d street	2,000 00
Joseph Weill	Interpreter	132 West 10th street	1,200 00
Joseph D. Costa	Attendant	136 Christopher street	1,200 00
John McKeever	"	260 West 12th street	1,200 00

Fourth District Civil Court.

Alfred Steckler	Justice	119 First avenue	$6,000 00
William L. Gardner	Clerk	126 West 36th street	3,000 00
John Clark	Assistant Clerk	58 Seventh street	3,000 00
Frank S. Beard	Stenographer	14th st. and 2d ave	2,000 00
Julius Harburger	Interpreter	205 Fifth street	1,200 00
John Graham	Attendant	22 Avenue A	1,000 00
Louis Roos	"	241 East 10th street	1,000 00

Fifth District Civil Court.

John H. McCarthy	Justice	157 Henry street	$6,000 00
Thaddeus F. McCarthy	Clerk	172 Henry street	3,000 00
William A. Collins	Assistant Clerk	53 Pike street	3,000 00
Arthur T. Ducret	Stenographer		2,000 00
Marx Lewy	Interpreter	175 Stanton street	1,200 00
James McAlarney	Attendant	66 Ridge street	1,000 00

Sixth District Civil Court.

William H. Kelly	Justice	337 East 15th street	$6,000 00
Michael Cregan	Clerk	Ashland House	3,000 00
Philip Ahearn	Assistant Clerk	300 East 20th street	3,000 00
—— ——	Stenographer		2,000 00
Kaufman Worms	Interpreter	303 East 20th street	1,200 00
Charles Boyle	Attendant	233 East 39th street	1,200 00
Michael Sullivan	"	211 East 17th street	1,200 00

DISTRICT COURTS—*Continued.*

Seventh District Civil Court.

Name.	Position.	Residence.	Salary.
Ambrose Monell	Justice	152 East 61st street	$6,000 00
John F. Carroll	Clerk	333 East 51st street	3,000 00
Abijah S. Pell	Assistant Clerk	237 East 58th street	3,000 00
George A. Moulton	Stenographer	156 West 49th street	2,000 00
George A. Lambrecht	Interpreter	440 East 56th street	1,200 00
Julius Johnson	Attendant	27 Sutton place	1,000 00

Eighth District Civil Court.

Frederick G. Gedney	Justice	348 West 21st street	$6,000 00
Carson G. Archibald	Clerk	507 West 22d street	3,000 00
Henry G. Leask	Assistant Clerk	262 West 36th street	3,000 00
James W. Tooley	Stenographer	126 West 21st street	2,000 00
John G. Jenny	Interpreter	465 Seventh avenue	1,200 00
Oliver Davis	Attendant	252 West 33d street	1,200 00
Alexander Murray	"	222 West 29th street	1,200 00
William M. Mitchell	"	134 Ninth avenue	1,000 00

Ninth District Civil Court.

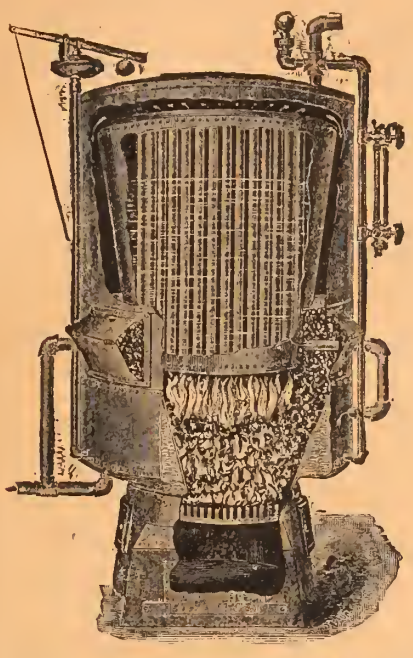
Henry P. McGown	Justice	1982 Madison avenue	$6,000 00
Thomas F. Gilroy	Clerk	327 East 123d street	3,000 00
William H. Liscomb	Assistant Clerk	2154 Lexington avenue	3,000 00
Frank A. Pollard	Stenographer	221 West 123d street	2,000 00
John C. Munzinger	Interpreter	113 West 129th street	1,200 00
John J. Ryan	Officer and C't Attend't	174 East 94th street	1,000 00
Frank P. Dunlap	" "	60 East 127th street	1,000 00

Tenth District Civil Court.

Andrew J. Rogers	Justice		$6,000 00
Charles C. Bigelow	Clerk	Mt. Vernon, N. Y.	3,000 00
Anthony McOwen	Assistant Clerk	Robbins av., nr 144th st	3,000 00
Harris Pierce	Stenographer	West Farms	2,000 00
Charles C. Diedrich	Interpreter	1159 North 3d avenue	1,200 00
John Keyser	Attendant	284 Alexander avenue	1,000 00
Philip Kertz	"	154th st., betw. Elton and Courtland aves.	1,000 00

Eleventh District Civil Court.

Leo C. Dessar	Justice	207 West 45th street	$6,000 00
John E. Kelly	Clerk	504 West 50th street	3,000 00
Daniel F. McMahon	Assistant Clerk	62d st., between 10th and 11th avenues	3,000 00
Henry G. Smith	Stenographer	110 Broadway	2,000 00
Martin Senger	Interpreter	738 Ninth avenue	1,200 00
Frank Fox	Attendant	1613 Broadway	1,000 00
Patrick C. McCormack	"	606 West 43d street	1,000 00



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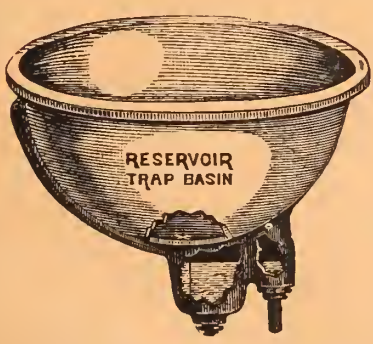

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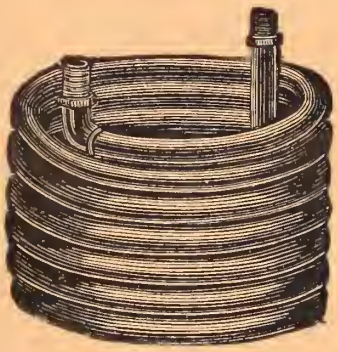

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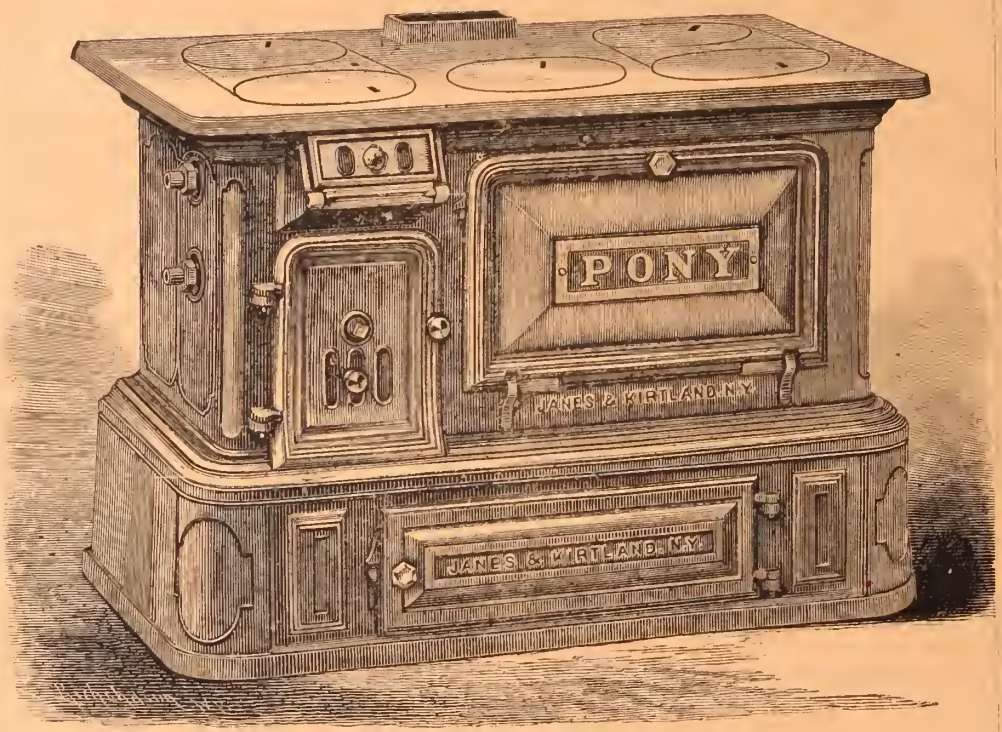

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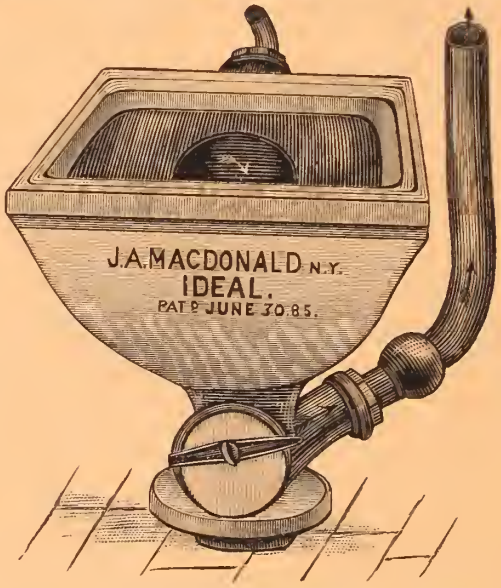

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HEALTH DEPARTMENT.

No. 301 Mott Street, 9 A.M. to 4 P.M.

Commissioners.

NAME.	POSITION.	RESIDENCE.	SALARY.
ALEXANDER SHALER...	Commiss'r and Pres't.	9 West 45th street....	$5,000 00
WOOLSEY JOHNSON.....	Commissioner.....	230 West 43d street...	4,000 00

Office of the Secretary.

Emmons Clark.....	Secretary.....	51 East 67th street....	$4,800 00
Caspar Golderman.....	Chief Clerk and Auditing Clerk.....	756 East 175th street.	3,000 00
William G. Shailer	Corresponding and Property Clerk.....	52d st. and Broadway.	2,400 00
Charles D. Shepard.....	Clerk.....	48 West 9th street....	1,680 00
Edwin B. Lent.....	"	19 Barrow street.....	1,500 00
States Barton.....	"	210 East 15th street..	1,200 00
Henry H. Munsell.....	"	132 West 122d street..	1,200 00
John Paine.....	Janitor.....	11 East Houston street	800 00
Charles Koerber.....	Messenger.....	301 East 74th street..	800 00
Oliver R. Robinson.....	Orderly.....	74 State st., Brooklyn.	600 00
Isabella Paine.....	Sweeper.....	11 East Houston street	450 00

Office of the Attorney and Counsel.

William P. Prentice.....	Attorney and Counsel.	9 West 16th street....	$4,800 00
Aldert H. Bancker.....	Chief Clerk.....	406 Lexington avenue.	2,400 00
Charles Hoyer.....	Clerk.....	31 King street.....	1,400 00
William F. T. Chapman.	"	18 Cottage place.....	1,400 00
Thomas Fay.....	Messenger.....	76 Henry street.....	800 00

Office of the Sanitary Superintendent.

Walter De F. Day, M.D.	Sanitary Supt. and Register of Records....	56 East 34th street...	$4,800 00
Edward H. Janes, M.D..	Asst. Sanitary Supt. and Chief Med. Officer of Fifth Division...	208 West 42d street...	3,000 00
William B. Fernhead ...	Chief Clerk.....	105 East 10th street ..	1,920 00
John McCauley.....	Clerk.....	225 Henry street.....	1,200 00
Thomas H. Wood.....	"	1747 Lexington avenue	1,200 00
Thomas Hanley	Orderly.....	308 East 31st street...	600 00

HEALTH DEPARTMENT—*Continued.*

First Division.

Name.	Position.	Residence.	Salary.
Moreau Morris, M.D....	Chief Inspector.....	67 East 54th street....	$3,000 00
Roger S. Tracy, M.D....	Sanitary Inspector....	63 West 37th street...	1,800 00
William A. Ewing, M.D.	"	205 West 56th street..	1,800 00
Eugene B. Murtha, M.D.	"	131 East 57th street..	1,800 00
John E. Comfort, M.D..	"	1315 Franklin avenue.	1,800 00
Bernard Hughes, M.D..	"	133 East 43d street....	1,800 00
Wm. H. Vermilye, M.D.	"	228 East 19th street..	1,800 00
Alvah H. Doty, M.D....	"	66 West 36th street...	1,800 00
John Parsons, M.D.....	"	Kingsbridge.....	1,800 00
James J. Williams, M.D.	"	286 Alexander avenue.	1,800 00
Stuyvesant F. Morris, M.D.	"	168 Lexington avenue.	1,800 00
Chas. E. Lockwood, M.D.	"	66 West 36th street...	1,800 00
Charles F. Roberts, M.D.	"	15 West 43d street....	1,800 00
F. W. Chapin, M.D.....	"	24 West 31st street....	1,800 00
George F. Morris, M.D..	"	34 West 46th street...	1,800 00
J. E. Stillwell, M.D.....	"	150 East 21st street...	1,800 00
James R. Griswold.....	Chief Clerk.....	1170 Broadway.....	2,000 00
John E. Wade.....	Clerk.....	291 Houston street ...	1,500 00
Charles Golden, Jr.....	"	56 South 5th avenue..	1,080 00
Jacob W. Schwartz	"	.....	1,200 00

Second Division.

Cyrus Edson, M.D.....	Chief Inspector.....	48 West 9th street....	$3,000 00
S. A. Goldschmidt, Ph.D.	Inspector.....	709 Madison avenue..	1,500 00
Alfred Lucas.....	"	1893 Lexington avenue	1,500 00
Elwyn Waller.....	Chemist	33 West 15th street...	900 00
John B. White, M.D....	Milk Inspector.....	709 Madison avenue..	1,560 00
John B. Isham, M.D....	"	1055 Lexington ave...	1,260 00
Edward W. Martin.....	"	47 West 55th street...	1,260 00
Charles E. Munsell	"	115 East 10th street..	1,260 00
Archibald S. Hamilton..	Fish Inspector.....	142 Franklln street...	1,200 00
Washington T. Romaine.	Meat Inspector.....	162 West 128th street.	1,080 00
John Meyers.....	"	664 East 142d street..	1,080 00
D. Emory Holman.....	Inspector.....	.....	1,620 00
Charles S. Benedict.....	"	.....	1,620 00
Francis M. Banta.....	"	.....	1,620 00

Third Division.

Willard Bullard	Chief Inspector.....	620 Lexington avenue.	$3,000 00
Edgar B. Sutton.....	Clerk.....	413 West 22d street...	1,200 00
Louis T. Brennan.....	Inspector	267 West 52d street...	1,300 00
Charles K. Hyde	"	509 East 18th street..	1,200 00
Nicholas Kilroy.....	"	17 Great Jones street .	1,300 00
Francis C. Tucker	"	384 West 32d street...	1,200 00
Michael Lestrange.....	Foreman.....	309 East 13th street..	780 00

Thirty Sanitary Policemen, as provided by Section 194, N. Y. City Consolidation Act of 1882.

HEALTH DEPARTMENT—*Continued.*

Fourth Division.

Name.	Position.	Residence.	Salary.
James B. Taylor, M.D..	Chief Inspector of Vaccination and Disinfection	220 East 17th street..	$3,000 00
Edward L. Pardee, M.D.	Inspector	10 West 29th street...	1,500 00
Jacob C. Conover, M.D..	"	36 West 37th street...	1,500 00
Frank Livermore, M.D..	"	301 Mott street	1,500 00
Jacob N. McChesney, M.D.	"	41 West 9th street. ..	1,500 00
John B. Linehan, M.D..	"	221 East 30th street..	1,500 00
Thos. W. B. Flinn, M.D.	"	137 East 28th street..	1,200 00
William H. Mahler, M.D.	"	10 East 49th street...	1,200 00
Fred. H. Dillingham, M.D.	"	118 East 17th street..	1,200 00
Thomas D. Swift, M.D..	"	36 East 29th street...	1,200 00
Samuel W. Smith, M.D.	"	40 West 25th street...	1,200 00
John F. Dunphy, M.D..	"	213 Henry street	1,200 00
George S. Conant, M.D..	"	148 East 18th street..	1,200 00
William J. Purcell, M.D.	Clerk	359 West 58th street..	1,440 00
Thomas D. Yates	Disinfector	128 Worth street	1,080 00
Bartholomew McGowan..	"	128 Worth street	1,080 00
William Reynolds	"	Morrisania	1,080 00
William Cooney	"	128 Worth street	1,080 00
John Schnell	Messenger	260 E. Houston street.	900 00
Philip Schnell	Orderly	271 East 10th street..	600 00

Fifth Division.

Edward H. Janes, M.D..	Chief Medical Officer..	208 West 42d street...	$3,000 00
Fred. K. Priest, M.D...	Resident Physician...	Riverside Hospital....	1,200 00
D. P. Pease, M.D.	Ass't Resident Phys'n,	"	600 00
Edward Ballantyne	Clerk	"	300 00
Christina Walsh	Matron	"	600 00
Margaret M. Burn	"	"	240 00
Mary Costello	Nurse	"	360 00
Sarah Costello	"	"	360 00
Kate Holden	"	"	360 00
Mary O'Connor	"	"	360 00
Mary Dowling	"	"	360 00
Mary Cassidy	Cook	"	216 00
Lizzie McEvoy	Waitress	"	168 00
Delia O'Neil	Laundress	"	120 00
Richard Toole	Orderly	"	300 00
John Stanton	"	"	240 00
William Burn	"	"	240 00
Charles Baker	Boatman	"	120 00
John M. Haight	Fireman	"	240 00
Edward P. McPhail	Engineer	"	780 00
Matthew McEntee	Helper	"	180 00
Augustine Alt	"	"	120 00
Honora Sullivan	"	"	96 00
Sarah Clark	"	"	96 00
Ellen McCarthy	"	"	96 00

HEALTH DEPARTMENT—Fifth Division—*Continued.*

Name.	Position.	Residence.	Salary.
Maggie Brown	Helper	Riverside Hospital	$96 00
Hannah Ryan	"	"	96 00
Kate Williams	"	"	96 00
Margaret O'Brien	"	"	96 00
Henry Rick	Captain Steamboat	Steamboat "Psyche"	1,000 00
Horace A. Green	Engineer "	"	1,000 00
Franklin Robinson	Fireman "	"	300 00
John E. Stafford	Deck-hand "	"	300 00
James W. McAlister	Engineer	16th street Hospital	780 00

Sixth Division.

John C. Collins	Chief Inspector	201 Alexander avenue.	$3,000 00
John S. Berry	Inspector	309 West 52d street	1,860 00
Patrick Golden	"	119 East 53d street	1,860 00
Louis M. Hooper	"	5 West 42d street	1,560 00
Robert A. Johnston	"	324 East 123d street	1,260 00
Charles A. Hollick	"	New Brighton, S. I.	1,260 00
Walter G. Eliot	"	743 Fifth avenue	1,260 00
Alexander Eagleson	"	170 East 107th street	1,260 00
Henry D. Dickinson	"	688 Lexington avenue.	1,260 00
Alexander Hicinbothem	"	666 East 145th street	1,260 00
Edward J. Carroll	Clerk	284 Grand street	960 00

Seventh Division.

Walter De F. Day, M.D.	Register of Records	56 East 34th street	$4,800 00
John T. Nagle, M.D.	Dep'y Reg'r of Records	19 West 12th street	3,000 00
Louis Kraushaar	Clerk	460 West 51st street	1,800 00
Jacob A. Weil	"	34 Great Jones street	1,800 00
William L. Craig	"	Morris' Dock	1,680 00
Edward I. Gallagher	"	48 Carmine street	1,300 00
Garrett N. Ford	"	46 East 10th street	1,300 00
John H. Bazin	"	240 Steuben st., B'k'n.	1,200 00
Gideon J. Tucker	"	232 East 11th street	1,200 00
Lewis Morris	"	New Brighton, S. I.	1,150 00
Thomas E. Cone, M.D.	Permit C'k and Exam'r	271 Ninth st., B'klyn.	1,200 00
Jarvis N. Husted, M.D.	" "	186 East Broadway	1,200 00
Peter J. Smith	Clerk		1,200 00
Geo. D. F. Smith	Inspector		1,620 00

SPECIAL LAWS

RELATING TO THE

HEALTH DEPARTMENT.

Title 1.—Powers and duties of the Department and its Officers.

1874, ch. 636, §2. Comp. 456, Powers. etc. of board, territorial extent of.

§ 533. The authority, duty and powers of the board of health shall extend over the waters of the bay, up to and within the quarantine limits as established by law, but shall not be held to interfere with the powers and duties of the commissioners of quarantine or health officer of the port.

1873, ch. 335, §81. Comp. 483. Bureaus.

Register of records.

§ 534. There shall be two bureaus in the department of health. The chief officer of one bureau shall be called the "sanitary superintendent," who, at the time of his appointment shall have been for at least ten years a practising physician, and for three years a resident of the city of New York, and he shall be the chief executive officer of said department. The chief officer of the second bureau shall be called the "register of records;" and in said bureau shall be recorded without fees, every birth, marriage, and death, and all inquisitions of coroners, which shall occur or be taken within the city of New York. But in cases of inquests where the jury shall find that death was caused by negligence or malicious injury, only a copy of the record need be filed in said bureau.

1866, ch. 74, §14, Comp. 429. Building, excavations, etc.

When dangerous to life and health.

Order to remove, abate, etc.

Hearing before board.

Rescinding of order, etc.

§ 535. First—Whenever any building, erection, excavation, premises, business pursuit, matter or thing, or the sewerage, drainage or ventilation thereof, in said city, shall, in the opinion of said board (whether as a whole or in any particular), be in a condition or in effect dangerous to life or health, said board may take and file among its records what it shall regard as sufficient proof to authorize its declaration that the same, to the extent it may specify, is a public nuisance, or dangerous to life or health; and said board may thereupon enter in its records the same as a nuisance, and order the same to be removed, abated, suspended, altered, or otherwise improved or purified, as said order shall specify; and if party served with such order (or intended to be according to this chapter), shall, before its execution is commenced, or within three days after such service or attempted service, apply to said board, or the president thereof, to have said order or its execution stayed or modified, it shall then be the duty of said board to temporarily suspend or modify said order or the execution thereof (save in cases of imminent danger, from impending pestilence, when said board may exercise extraordinary powers, as herein elsewhere specified), and to give such party or parties together, as the case in the opinion of the board may require, a reasonable and fair opportunity to be heard before said board and to present facts and proofs (according to the rules or directions of said board) against said declaration and the execution of said order, or in favor of its modification, according to the regulations of the board; and the board shall enter in its minutes such facts and proofs as it may receive, and its proceedings on such hearing, and any other

proof it may take; and thereafter may rescind, modify or reaffirm its said declaration and order, and require execution of said original, or of a new or modified order to be made, in such form and effect as it may finally determine. In cases where no hearing is asked for by the party affected, the order shall not be so altered as to render its effect more burdensome than the original order. Said board may change or modify any order made under this supervision, and may by resolution confer upon the president power to exercise in the absence of the board the authority hereinbefore given it to temporarily suspend or modify any order or its execution.

1866, ch. 686, § 6, as amended. 1867, ch. 956, § 10. Comp. 441.

SECOND—Said board may order or cause any excavation, erection, vehicle, vessel, water craft, room, building, place, sewer, pipe, passage, premises, ground, matter or thing (in said city or adjacent waters) regarded by said board as in a condition dangerous or detrimental to life or health to be purified, cleaned, disinfected, altered or improved; and may also order any substance, matter or thing, being or left in any street, alley, water, excavation, building, erection, place or grounds (whether such place where the same may be public or private), and which said board may regard as dangerous or detrimental to life or health, to be speedily removed to some proper place; and may designate or provide a place to which the same shall be removed, when no such adequate or proper place, in the judgment of said board, is already provided. If said order is not complied with, or as far complied with as said board may regard as reasonable, within five days after such service or attempted service, or within any shorter time, which, in case of pestilence, the board may have designated, or is not thereafter speedily and fully executed, then any such order may be executed as herein elsewhere provided in regard to any of the orders of said board.

Excavation, vehicles, vessels, sewers, pumps, etc.

Id. Comp. 431

§ 536. On or before the first day of March, eighteen hundred and eighty-two, every master or journeyman plumber, carrying on his trade in the city of New York, was required under such rules and regulations as the board of the health department prescribed, to register his name and address at the health department of the said city. It is not lawful for any person to carry on the trade of plumbing in the said city unless his name and address be registered as above provided. A list of the registered plumbers shall be published in the City Record at least once in each year. Any person violating any provision of this section shall be deemed guilty of a misdemeanor.

Master or journeymen plumbers to register. 1881, ch. 450, § 1, 2, 6.

§ 537. The drainage and plumbing of all buildings, both public and private, erected after the fourth day of June, eighteen hundred and eighty-one, shall be executed in accordance with plans previously approved in writing by the board of health. Suitable drawings and descriptions of the said plumbing and drainage shall in each case be submitted and placed on file in the health department. The said board of health is authorized to receive and place on file drawings and descriptions of the plumbing and drainage of buildings erected prior to said date.

Drainage, etc., to be according to plans approved by board of health. 1881, ch. 450, § 3.

§ 538. The powers of said board shall be construed to include the ordering and enforcing in the same manner as other orders are provided to be enforced, the repairs of buildings, houses and other structures, the regulation and control of all public markets (so far as relates to the cleanliness, ventilation, and drainage thereof, and to the prevention of the sale, or offering for sale, of improper articles therein); the removal of any obstruction, matter, or thing in or upon the public streets, sidewalks, or places which shall be in their opinion liable to lead to results dangerous to life or health; the prevention of accidents by which life or health may be endangered; and generally the abating of all nuisances. It is hereby expressly declared that the said board shall have and possess full and complete power with refer-

1866, ch. 74, § 12, as amended. 1866, ch. 686, § 3. Comp. 428.

Ventilation, drainage and cleanliness of markets, etc. 1867, ch. 956, § 6, Comp. 443.

ence to the ventilation, drainage, and cleanliness of the stands or stalls in or around Fulton and Washington markets, and said board shall have in said city all common law rights to abate any nuisance without suit which can or does in this State belong to any person whatever.

1866, ch. 74, § 14. Comp. 432.

§ 539. It is hereby declared to be the duty of every owner and part owner and persons interested, and of every lessee, tenant, and occupant of, or in any place, water, ground, room, stall, apartment, building, erection, vessel, vehicle, matter and thing in said city, and of every person conducting or interested in business therein or thereat, and of every person who has undertaken to clean any place, ground or street therein, and of every person, public officer, and board having charge of any ground, place, building or erection therein, to keep, place and preserve the same and every part, and the sewerage, drainage, and ventilation thereof, in such condition, and to conduct the same in such manner that it shall not be dangerous or prejudicial to life or health.

Title 7.—Tenement and Lodging Houses.

1867, ch. 908, § 1. Comp. 474.

§ 649. No house, building or portion thereof, in the city of New York shall be used, occupied, leased, or rented for a tenement or lodging house unless the same conforms in its construction and appurtenances to the requirements of this title.

Id. § 2.

§ 650. Every house, building, or portion thereof, in the city designated to be used, occupied, leased, or rented, or which is used, occupied, leased, or rented for a tenement or lodging house, shall have in every room which is occupied as a sleeping room, and which does not communicate directly with the external air, a ventilating or transom window, having an opening or area of three square feet, over the door leading into and connected with the adjoining room, if such adjoining room communicates with the external air, and also a ventilating or transom window of the same opening or area, communicating with the entry or hall of the house, or where this is, from the relative situation of the rooms, impracticable, such last-mentioned ventilating or transom window shall communicate with an adjoining room that itself communicates with the entry or hall. Every such house or building shall have in the roof, at the top of the hall, an adequate and proper ventilator, of a form approved by the inspector of buildings.

Ventilation and windows.

Ventilator in hall.

1867, ch. 908, § 3. Comp, 475. Fire escapes.

§ 651. Every such house shall be provided with a proper fire escape, or means of escape in case of fire, to be approved by the inspector of buildings.

Id. § 2. Roof in repair.

§ 652. The roof of every such house shall be kept in good repair, and so as not to leak, and all rain water shall be so drained or conveyed therefrom as to prevent it dripping on to the ground, or causing dampness in the walls, yard, or area. All stairs shall be provided with proper banisters and railings, and shall be kept in good repair.

Stairs.

Id. § 3. Water-closets or privies.

§ 653. Every such building shall be provided with good and sufficient water-closets or privies, of a construction approved by the board of health, and shall have proper doors, traps, soil pans, and other suitable works and arrangements, so far as may be necessary to insure the efficient operation thereof. Such water-closets or privies shall not be less in number than one to every twenty occupants of said house; but water-closets or privies may be used in common by the occupants of any two or more houses, provided the access is convenient and direct, and provided the number of occupants in the houses for which they are provided shall not exceed the proportion above required for every privy or water-closet. Every such house

To be connected with sewer.

situated upon a lot on a street in which there is a sewer, shall have the water-closets or privies furnished with a proper connection with the sewer, which connection shall be in all parts adequate for the purpose, so as to permit entirely and freely to pass whatever enters the same. Such connection with the sewer shall be of a form approved by the commissioner of public works. All such water-closets and vaults shall be provided with the proper traps, and connected with the house sewer by a proper tight pipe, and shall be provided with sufficient water and other proper means of flushing the same; and every owner, lessee, and occupant shall take adequate measures to prevent improper substances from entering such water-closets or privies, or their connections, and to secure the prompt removal of any improper substances that may enter them, so that no accumulation shall take place, and so as to prevent any exhalations therefrom, offensive, dangerous, or prejudicial to life or health, and so as to prevent the same from being or becoming obstructed. No cesspool shall be allowed in or under or connected with any such house, except when it is unavoidable, and in such case it shall be constructed in such situation and in such manner as the board of health may direct. It shall in all cases be water-tight, and arched or securely covered over, and no offensive smell or gases shall be allowed to escape therefrom, or from any privy or privy-vault. In all cases where a sewer exists in the street upon which the house or building stands, the yard or area shall be so connected with the same that all water from the roof or otherwise, and all liquid filth shall pass freely into it. Where no sewer exists in the street, the yard or area shall be so graded that all water, from the roof or otherwise, and all filth shall flow freely from it and all parts of it into the street gutter, by a passage beneath the sidewalk, which shall be covered by a permanent cover, but so arranged as to permit access to remove obstructions or impurities.

Obstructions, exhalations, etc.

Cesspools only when unavoidable.

Yard or area to be connected with sewer or street gutter.

§ 654. It shall not be lawful, without a permit from the board of health, to let or occupy, or suffer to be occupied separately as a dwelling, any vault, cellar, or underground room built or rebuilt after July first, eighteen hundred and sixty-seven, or which shall not have been so let or occupied before said date. It shall not be lawful without such permit to let or continue to be let, or to occupy or suffer to be occupied separately as a dwelling any vault, cellar, or underground room whatsoever, unless the same be in every part thereof at least seven feet in height, measuring from the floor to the ceiling thereof, nor unless the same be for at least one foot of its height above the surface of the street or ground adjoining or nearest to the same, nor unless there be outside of and adjoining the said vault, cellar, or room, and extending along the entire frontage thereof, and upwards from six inches below the level of the floor thereof, up to the surface of the said street or ground an open space of at least two feet and six inches wide in every part, nor unless the same be well and effectually drained by means of a drain, the uppermost part of which is one foot at least below the level of the floor of such vault, cellar, or room, nor unless there is a clear space of not less than one foot below the level of the floor, except where the same is cemented, nor unless there be appurtenant to such vault, cellar, or room the use of a water-closet or privy kept and provided as in this title required; nor unless the same have an external window-opening of at least nine superficial feet clear of the sash frame, in which window-opening there shall be fitted a frame filled in with glazed sashes, at least four and a half superficial feet of which shall be made so as to open for the purpose of ventilation. Provided, however, that in the case of an inner or back vault, cellar, or room, let or occupied along with a front vault, cellar, or room, as part of the same letting or occupation, it shall be a sufficient compliance with the provisions of this section if the front room is provided with a window as hereinbefore provided, and if the

1867, ch. 908, § 3, Comp. 476.

Cellars not occupied as dwellings.

Must be drained.

Water-closet, windows, etc.

Back cellar may be occupied with front one.

said back vault, cellar, or room is connected with the front vault, cellar, or room by a door, and also by a proper ventilating or transom window, and, where practicable, also connected by a proper ventilating or transom window, or by some hall or passage communicating with the external air. Provided always that in any area adjoining a vault, cellar, or underground room there may be steps necessary for access to such vault, cellar, or room, if the same be so placed as not to be over across, or opposite to the said external window, and so as to allow between every part of such steps and the external wall of such vault, cellar, or room, a clear space of six inches at least, and if the rise of said steps is open; and provided further that over or across any such area there may be steps necessary for access to any building above the vault, cellar, or room to which such area adjoins, if the same be so placed as not to be over, across, or opposite to any such external window.

Steps to area.

Also over area.

1867, ch. 968, § 7. Comp. 477. Every cellar requires permit.

§ 655. No vault, cellar, or underground room shall be occupied as a place of lodging or sleeping, except the same shall be approved, in writing, and a permit given therefor by the board of health.

Id. § 8. Garbage boxes.

Articles not to be stored in tenements, etc.

§ 656. Every tenement or lodging house shall have the proper and suitable conveniences or receptacles for receiving garbage and other refuse matters. No tenement or lodging house, nor any portion thereof, shall be used as a place of storage for any combustible article, or any article dangerous to life or detrimental to health; nor shall any horse, cow, calf, swine, pig, sheep, or goat be kept in said house.

Id. § 9. To be kept clean.

§ 657. Every tenement or lodging house, and every part thereof, shall be kept clean and free from any accumulation of dirt, filth, garbage, or other matter in or on the same, or in the yard, court, passage, area, or alley connected with or belonging to the same. The owner or keeper of any lodging house, and the owner or lessee of any tenement house, or part thereof, shall thoroughly cleanse all the rooms, passages, stairs, floors, windows, doors, walls, ceilings, privies, cess-pools, and drains thereof of the house or part of the house of which he is the owner or lessee, to the satisfaction of the board of health, so often as shall be required by or in accordance with any regulation or ordinance of said board, and shall, well and sufficiently, to the satisfaction of the said board, whitewash the walls and ceilings thereof twice at least in every year, and in the months of April and October, unless the said board shall otherwise direct. Every tenement or lodging house shall have legibly posted or painted on the wall or door in the entry or some public accessible place, the name and address of the owner or owners, and of the agent or agents, of any one having charge of the renting and collecting of the rents for the same; and service of any paper required by this title, or by any proceedings to enforce any of its provisions, or of the acts relating to the board of health, shall be sufficient if made upon the person or persons so designated as owner or owners, agent or agents.

Owners' and agents' name posted.

Id. § 10. Officers of board of health to have access to houses.

§ 658. The keeper of any lodging house, and the owner, agent of the owner, lessee, and occupant of any tenement house, and every other person having the care or management thereof, shall, at all times, when required by any officer of the board of health, or by any officer upon whom any duty or authority is conferred by this title, give him free access to such house and every part thereof. The owner or keeper of any lodging house, and the owner, agent of the owner, and the lessee of any tenement house, or part thereof, shall, whenever any person in such house is sick of fever, or of any infectious, pestilential, or contagious disease, and such sickness is known to such owner, keeper, agent, or lessee, give immediate notice thereof to the board of health, or to some officer of the same, and thereupon said board shall cause the same to be inspected, and may, if found

Sick persons to be reported.

necessary, cause the same to be immediately cleansed or disinfected at the expense of the owner, in such manner as they may deem necessary and effectual; and they may also cause the blankets, bedding, and bed-clothes used by any such sick person to be thoroughly cleansed, scoured, and fumigated, or, in extreme cases to be destroyed.

1867, ch. 908, § 11. Comp. 478. Buildings infected or out of repair.

§ 659. Whenever it shall be certified to the board of health by the sanitary superintendent, that any building or part thereof is unfit for human habitation, by reason of its being so infected with disease as to be likely to cause sickness among the occupants, or by reason of its want of repair has become dangerous to life, said board may issue an order, and cause the same to be affixed conspicuously on the building or part thereof, and to be personally served upon the owner, agent or lessee, if the same can be found in the State, requiring all persons therein to vacate such building for the reasons to be stated therein as aforesaid. Such building, or part thereof shall, within ten days thereafter, be vacated, or within such shorter time not less than twenty-four hours, as in said notice may be specified; but said board, if it shall become satisfied that the danger from said house, or part thereof, has ceased to exist, may revoke said order, and it shall thenceforward become inoperative.

Id. § 12. Houses hereafter erected or converted to comply with additional requirements.

§ 660. No house erected after May fourteenth, eighteen hundred and sixty-seven, shall be used as a tenement house or lodging house, and no house heretofore erected and not now used for such purpose, shall be converted into, used, or leased for a tenement or lodging house, unless in addition to the requirements hereinbefore contained, it conforms to requirements contained in the following sections of this title:

Id. § 13, as amended. 1880, ch. 399, § 1. Spaces between building on lot.

§ 661. It shall not be lawful hereafter to erect for, or convert to, the purposes of a tenement or lodging house, a building on any lot where there is another building on the same lot, unless there is a clear open space exclusively belonging thereto, and extending upwards from the ground, of at least ten feet between said buildings, if they are one story high above the level of the ground; if they are two stories high, the distance between them shall not be less than fifteen feet; if they are three stories high, the distance between them shall not be less than twenty feet; and if they are more than three stories high, the distance between them shall not by less than twenty-five feet. At the rear of every building hereafter erected for or converted to the purpose of a tenement or lodging house on any lot, there shall be a clear, open space of not less than ten feet between it and the rear line of the lot. But when thorough ventilation of such open space can be otherwise secured, such distances may be lessened or modified in special cases by a permit from the board of health. No one continuous building shall be built or converted to the purposes of a tenement or lodging house upon an ordinary city lot, to occupy more than sixty-five per centum of the said lot, and in the same proportion if the lot be greater or less in size than twenty-five feet by one hundred feet; but this provision shall not apply to cornor lots, and may be modified in other special cases by a permit from the board of health.

Occupation of lot by building limited.

1867, ch. 908, § 14, as amended. 1879, ch. 504, § 2. Comp. 479. Height of rooms.

§ 662. In every such house hereafter erected or converted every habitable room, except rooms in the attic, shall be in every part not less than eight feet in height from the floor to the ceiling; and every habitable room in the attic of any such building shall be at least eight feet in height from the floor to the ceiling, throughout not less than one half the area of such room. Every such room shall have at least one window connecting with the external air, or over the door a a ventilator of perfect construction, connecting it with a room or hall which has a connection with the external air, and so arranged as

Windows.

to produce a cross current of air. The total area of window or windows, in every room communicating with the external air shall be at least one-tenth of the superficial area of every such room; and the top of one, at least, of such windows shall not be less than seven feet six inches above the floor, and the upper half, at least, shall be made so as to open the full width. Every habitable room of a less area than one hundred superficial feet, if it does not communicate directly with the external air, and is without an open fire-place, shall be provided with special means of ventilation, by a separate air shaft extending to the roof, or otherwise, as the board of health may prescribe. But in all houses erected or converted after June sixteenth, eighteen hundred and seventy-nine, which shall be used, occupied, leased or rented for a tenement or lodging house, every room used, let, or occupied by any person or persons for sleeping shall have at least one window, with a movable sash, having an opening of not less than twelve square feet, admitting light and air directly from the public street or the yard of the said house, unless sufficient light and ventilation shall be otherwise provided, in a manner and upon a plan approved by the board of health.

Certain rooms to have special ventilation.

Sleeping rooms.

Id. § 15. Chimneys.

§ 663. Every such house erected after May fourteenth, eighteen hundred and sixty-seven, or converted shall have adequate chimneys running through every floor, with an open fire-place or grate, or place for a stove, properly connected with one of said chimneys, for every family set of apartment. It shall have proper conveniences and receptacles for ashes and rubbish. It shall have Croton or other water furnished at one or more place in such house, or in the yard thereof, so that the same may be adequate and reasonably convenient for the use of the occupants thereof. It shall have the floor of the cellar properly cemented, so as to be water tight. The halls on each floor shall open directly to the external air, with suitable windows, and shall have no room or other obstruction at the end, unless sufficient light or ventilation is otherwise provided for in said halls, in a manner approved by the board of health.

Ashes and rubbish. Water.

Cellar floor.

Halls.

1879, ch. 504, § 3. Comp. 481. Over crowding.

§ 664. Whenever it shall be certified to the board of health by the sanitary superintendent that any tenement house or room therein is so over-crowded that there shall be afforded less than six hundred cubic feet of air to each occupant of such building or room, the said board may, if it deem the same to be wise or necessary, issue an order requiring the number of occupants of such building or room to be reduced, so that the inmates thereof shall not exceed one person to each six hundred cubit feet of air space in such building or room. Such excess in the number of occupants shall be reduced to the standard hereby designated within ten days after the service of an order therefor upon the owner, lessee, occupant, or agent of such building or room. Whenever there shall be more than ten families living in any tenement house, in which the owner thereof does not reside, there shall be a janitor, housekeeper, or some other responsible person, who shall reside in the said house, and have charge of the same, if the board of health shall so require.

When tenement house to have janitor, etc.

1867, ch. 908, § 16. Comp. 480. Punishment for violation.

§ 665. Every owner or other person violating any provision of this title shall be guilty of a misdemeanor, punishable by a fine of not less than ten dollars nor more than one hundred dollars, or by imprisonment for not more than ten days for each and every day that such violation shall continue, or by both such fine and imprisonment, in the discretion of the court. He shall also be liable to pay a penalty of ten dollars for each and every day that such offence shall continue. Such penalty may be sued for and recovered by the board of health, and when recovered shall be paid over to the city chamberlain and become part of the tenement house fund, directed by section one hundred and ninety-four, sub-division nine, of this act, to be

How Recovered. 1879, ch. 504, § 6. Comp. 482. Id. § 4.

Tenement house fund.

annually appropriated to the credit of the health department, and to be expended by the board of health. In every proceeding for a violation of this title, and in every such action for a penalty, it shall be the duty of the owner of the house to prove the date of its erection or conversion to its existing use, if that fact shall become material, and the owner shall be prima facie the person liable to pay such penalty, and after him the person who is the lessee of the whole house, in preference to the tenant or lessee of a part thereof. In any such action the owner, lessee, and occupant, or any two of them, may be made defendants, and judgment may be given against the one or more shown to be liable, as if he or they were sole defendant or defendants.

Owners, lessees, and occupants, may be defendants.

§ 666. A tenement house within the meaning of this title shall be taken to mean and include every house, building, or portion thereof, which is rented, leased, let, or hired out to be occupied, or is occupied as the home or residence of more than three families, living independently of another, and doing their cooking upon the premises, or by more than two families upon a floor, so living and cooking, but having a common right in the halls, stairways, yards, water-closets, or privies, or some of them. A lodging house shall be taken to mean and include any house or building, or portion thereof, in which persons are harbored or received, or lodged for hire for a single night, or for less than a week at one time, or any part of which is let for any person to sleep in for any term less than a week. A cellar shall be taken to mean and include every basement or lower story of any building or house of which one half or more of the height from the floor to the ceiling is below the level of the street adjoining.

1867, ch. 908, § 17. Comp. 480. Definition of tenement-house.

Definition of lodging-house.

Definition of cellar.

§ 667. The board of health shall have authority to make other regulations as to cellars and as to ventilation, consistent with the foregoing, where it shall be satisfied that such regulations will secure equally well the health of the occupants.

Id. § 18. Board of health may make other regulations.

——— *Chap.* 410 *of the Laws of* 1882.—*Special and Local Laws affecting Public Interests in the City of New York.*

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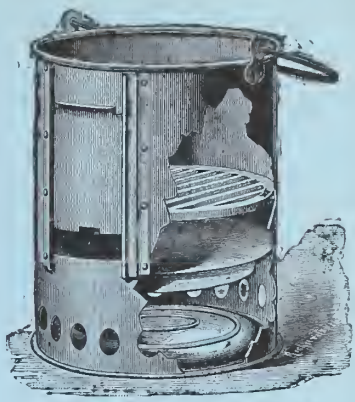

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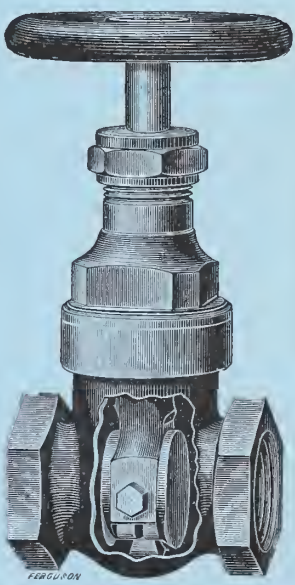

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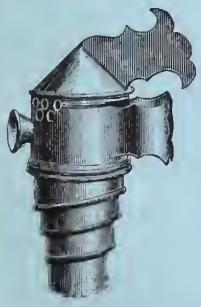

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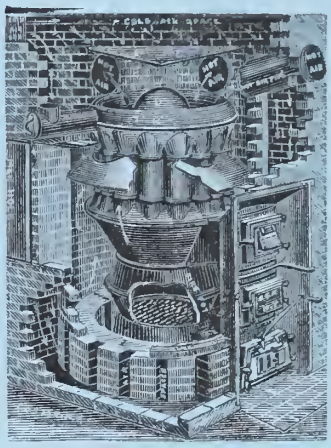

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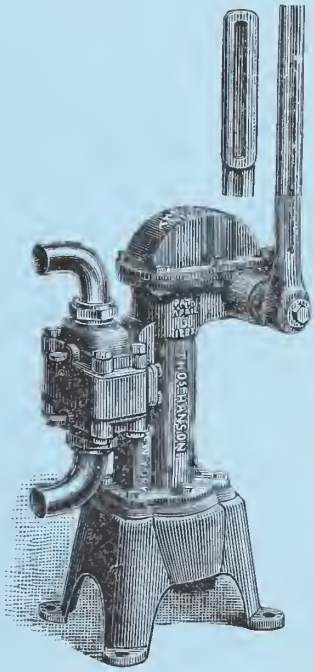

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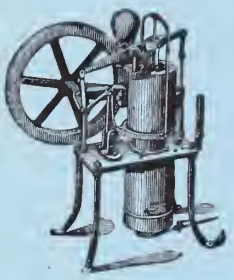

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HEALTH DEPARTMENT,

CITY OF NEW YORK,

April 3, 1883.

THE REGISTRATION OF PLUMBERS

AND

THE LAW AND REGULATIONS GOVERNING THE PLUMBING AND DRAINAGE OF ALL BUILDINGS HEREAFTER ERECTED.

CHAPTER 450, LAWS OF 1881.

AN ACT to secure the Registration of Plumbers, and the Supervision of Plumbing and Drainage, in the Cities of New York and Brooklyn.

Passed June 4, 1881.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

SECTION 1. On or before the first day of March, eighteen hundred and eighty-two, every master or journeyman plumber, carrying on his trade in the cities of New York and Brooklyn, shall, under such rules and regulations as the respective Boards of Health of the Health Departments of said cities shall respectively prescribe, register his name and address at the Health Department of the said city; and after the said date it shall not be lawful for any person to carry on the trade of plumbing in the said cities unless his name and address be registered as above provided.

SEC. 2. A list of the registered plumbers of the city of New York shall be published in the *City Record* at least once in each year.

SEC. 3. The drainage and plumbing of all buildings, both public and private, hereafter erected in the city of New York, or in the city of Brooklyn, shall be executed in accordance with plans previously approved in writing by the Board of Health of the said Health Departments of said cities respectively. Suitable drawings and descriptions of the said plumbing and drainage shall in each case be submitted and placed on file in the Health Department. The said Boards of Health are also authorized to receive and place on file drawings and descriptions of the plumbing and drainage of buildings erected prior to the passage of this act in their respective cities.

SEC. 4. The Board of Estimate and Apportionment of the city of New York shall add six thousand dollars to the apportionment of the Health Department for the year eighteen hundred and eighty-one, and shall insert the same in the tax levy, to provide for carrying out the provisions of this act, so far as it relates to the city of New York.

SEC. 5. Any court of record in said cities respectively, or any judge or justice thereof, shall have power, at any time after the service of notice of the violation of any of the provisions of this act, and upon the affidavit of one of the Commissioners of Health of the said cities, to restrain, by injunction order, the further progress of any violation named in this act, or of any work upon or about the building or premises upon which the said violation exists; and no undertaking shall be required as a condition to the granting or issuing of such injunction, or by reason thereof.

SEC. 6. Any person violating any of the provisions of this act shall be deemed guilty of a misdemeanor.

SEC. 7. This act shall take effect immediately.

RULES AND REGULATIONS

FOR THE REGISTRATION OF PLUMBERS, AND RELATING TO PLANS AND SPECIFICATIONS FOR PLUMBING AND DRAINAGE, ADOPTED BY THE BOARD OF HEALTH OF THE CITY OF NEW YORK, IN ACCORDANCE WITH CHAPTER 450, LAWS OF 1881.

I.

The Registration of Plumbers.

RULE 1. Every plumber engaged in business in the City of New York shall appear in person at the Health Department, No. 301 Mott street, and register his name and address, pursuant to the provisions of chapter 450, Laws of 1881, upon the forms prescribed by the Health Department.

RULE 2. It shall be the duty of every plumber to give immediate notice of any change in residence or place of business, for the correction of the Register.

RULE 3. The list of registered plumbers shall be published in January of each year.

II.

Of Plumbing.

The law requires that the plumbing and drainage of all buildings, public and private, shall be executed in accordance with plans and specifications previously approved in writing by the Board of Health; and that suitable drawings and descriptions of the said plumbing and drainage shall, in each case, be submitted and placed on file in the Health Department.

Drawings and descriptions of the plumbing and drainage of buildings erected prior to the passage of the act may be placed on file in the Health Department.

Blank specifications for plumbing and drainage will be furnished to architects and others, on application at this office.

As the law requires that the plumbing and drainage be executed according to a plan approved by the Board of Health, no part of the work shall be covered or concealed in any way until after it has been examined by an inspector of the Board of Health; and notice must be sent to the Board when the work is sufficiently advanced for such inspection.

III.

Plan of Drainage and Plumbing Approved by the Board of Health.

The following plan of construction has been approved by the Board of Health. When the work is completed, and before it is covered from view, the Board must be notified, that it may send an inspector.

1. All materials must be of good quality and free from defects; the work must be executed in a thorough and workmanlike manner.

2. The arrangement of soil and waste pipes must be as direct as possible.

3. The drain, soil, and waste pipes, and the traps, must, if practicable, be exposed to view for ready inspection at all times, and for convenience in repairing. When necessarily placed within partitions or in recesses of walls, soil and waste pipes must be covered with woodwork so fastened with screws as to be readily removed. In no case shall they be absolutely inaccessible.

4. It is recommended to place the soil and other vertical pipes in a special shaft, between or adjacent to the water-closet and the bath-room, and serving as a ventilating shaft for them. This shaft should be at least two and a half feet square. It should extend from the cellar through the roof, and should be covered by a louvered skylight. It should be accessible at every story, and should have a very open but strong grating at each floor to stand upon.

Shafts not less than three square feet in area are required in tenement-houses, to ventilate interior water-closets.

5. Every house or building must be separately and independently connected with the street-sewer.

6. Where the ground is made or filled in, the house-sewer, that is to say the portion of the drain extending from the public sewer to the front wall, must be of cast-iron, with the joints properly caulked with lead.

7. Where the soil consists of a natural bed of loam, sand, or rock, the house-sewer may be of hard, salt-glazed and cylindrical earthenware pipe, laid on a smooth bottom, free from all projections of rock and with the soil well rammed to prevent any settling of the pipe. Each section must be wetted before applying the cement, and the space between each hub and the small end of the next section must be completely and uniformly filled with the best hydraulic cement. Care must be taken to prevent any cement being forced into the drain to become an obstruction. No tempered-up cement shall be used. A straight-edge must be used inside the pipe, and the different sections must be laid in perfect line on the bottom and sides.

8. Where there is no sewer in the street, and it is necessary to construct a private sewer to connect with a sewer on an adjacent street or avenue, it must laid under the roadway of the street on which the houses front and not through the yards or under the houses.

9. The house-drain must be of iron, with a fall of at least one quarter inch to the foot, if possible, and not more than one inch to the foot.

10. Where water-closets or a school-sink discharge into it, the drain must be at least four inches in diameter.

11. It must be hung on the cellar wall or ceiling, unless this is impracticable, in which case it must be laid in a trench cut at a uniform grade, walled up on the sides with brick laid in hydraulic cement, and provided with movable covers, and with a hydraulic concrete base of four inches in thickness, on which the pipe is to rest.

12. It must be laid in a straight line, if possible. All changes in direction must be made with curved pipes, and all connections with Y-branch pipes and one-eighth bends.

13. Any house-drain or house-sewer put in and covered without due notice to the Health Department, must be uncovered for inspection at the direction of the Inspector.

14. A running or half-S trap must be placed on the house-drain at an accessible point near the front of the house. This trap must be furnished with a hand-hole for convenience in cleaning, the cover of which must be properly fitted and made gas and air tight with some proper cement.

15. There must be an inlet for fresh air entering the drain just inside the trap, of at least four inches in diameter, leading to the outer air and opening at or near

the street curb, or at a convenient place not less than four feet from the nearest window. No cold-air box for a furnace shall be so placed that it can by any possibility draw air from this inlet-pipe. The inlet pipe should never be carried up to the roof inside or outside the house.

16. No brick, sheet-metal, earthenware, or chimney-flue shall be used as a sewer-ventilator, nor to ventilate any trap, drain, soil or waste pipe.

17. Every vertical soil-pipe and waste-pipe must be of iron, and where it receives the discharge of fixtures on two or more floors it must be extended at least two feet above the highest part of the roof or coping, of undiminished size, with a return-bend or cowl. It must not open near a window, nor an air-shaft which ventilates living-rooms.

18. Soil, waste, and vent pipes in an extension must be extended above the roof of the main building when otherwise they would open within twenty feet of the windows of the main house or the adjoining house.

19. Horizontal soil and waste pipes are prohibited.

20. The minimum diameter of soil-pipe permitted is four inches. A vertical waste-pipe, into which a line of kitchen-sinks discharge, must be at least two inches in diameter with one inch and a half branches.

21. Where lead pipe is used to connect fixtures with vertical soil or waste pipes, or to connect traps with vertical vent-pipes, it must not be lighter than D pipe.

22. There shall be no traps on vertical soil-pipes or vertical waste-pipes.

23. All iron pipes must be sound, free from holes, and of a uniform thickness of not less than one eighth of an inch for a diameter of two, three or four inches, or five-thirty-seconds of an inch for a diameter of five or six inches; and in case the building is over sixty-five feet in height above the curb the use of what is known as Extra Heavy Pipe and corresponding fittings are required, which weigh as follows:

2	inches,	5½	pounds per	lineal foot.
3	"	9½	"	"
4	"	13	"	"
5	"	17	"	"
6	"	20	"	"
7	"	27	"	"
8	"	33½	"	"
10	"	45	"	"
12	"	54	"	"

24. Before they are connected they must be thoroughly coated inside and outside with coal-tar pitch, applied hot, or some other equivalent substance.

25. When required by an inspector from the Board of Health, the plumbing must be tested with the peppermint or the water test, by the plumber in the presence of the inspector, and all defective joints made tight, and other openings made impermeable to gases. Defective pipe discovered must be removed and replaced by sound pipe.

26. All joints in the iron drain-pipes, soil-pipes, and waste-pipes must be so caulked with oakum and lead, or with cement made of iron filings and sal-ammoniac, as to make them impermeable to gas.

27. All connections of lead with iron pipes must be made with a brass sleeve or ferrule, of the same size as the lead pipe, put in the hub of the branch of the iron pipe and caulked in with lead. The lead pipe must be attached to the ferrule by a wiped joint.

28. All connections of lead pipe should be by wiped joints.

29. Every water-closet, urinal, sink, basin, wash-tray, bath, and every tub or set of tubs, must be separately and effectively trapped; except where a sink and wash-tubs immediately adjoining each other, in which case the waste-pipe from the

tubs may be connected with the inlet side of the sink-trap; in such a case the tub waste-pipe is not required to be separately trapped.

30. Traps must be placed as near the fixtures as practicable, and in no case shall a trap be more than two feet from the fixture.

31. All exit-pipes must be provided with strong metallic strainers.

32. In no case shall the waste from a bath-tub or other fixture be connected with a water-closet trap.

33. Traps must be protected from siphonage, and the waste-pipe leading from them ventilated, by a special air-pipe, in no case less than two inches in diameter, for water-closet traps, and one inch and a half for other traps. Except in private dwellings, the vertical vent-pipes for traps of water-closets in buildings more than four stories in height must be at least three inches in diameter, with two-inch branches to each trap, and for traps of other fixtures not less than two inches in diameter, with branches one and a half inches in diameter, unless the trap is smaller, in which case the diameter of branch vent-pipe must be at least equal to the diameter of the trap. In all cases vertical vent-pipes must be of cast or wrought iron.

34. These pipes must either extend two feet above the highest part of the roof or coping, the extension to be not less than four inches in diameter to avoid obstruction from frost, or they may be branched into a soil-pipe above the inlet from the highest fixture. They may be combined by branching together those which serve several traps. These air-pipes must always have a continuous slope, to avoid collecting water by condensation.

35. Traps of fixtures near the fresh-air inlet may be ventilated by being connected with it.

36. No trap vent-pipe shall be used as a waste or soil pipe.

37. Overflow-pipes from fixtures must, in each case, be connected on the inlet-side of the trap.

38. Every safe under a wash-basin, bath, urinal, water-closet or other fixture must be drained by a special pipe not directly connected with any soil-pipe, waste-pipe, drain or sewer, but discharging into an open sink, upon the cellar floor, or outside the house.

39. The waste-pipe from a refrigerator shall not be directly connected with the soil or waste pipe, or with the drain or sewer, or discharge into the soil; it should discharge into an open sink. Such waste-pipes should be so arranged as to admit of frequent flushing, and should be as short as possible, and disconnected from the refrigerator.

40. The sediment-pipe from kitchen-boilers must be connected on the inlet-side of the sink-trap.

41. All water-closets within the house must be supplied with water from special tanks or cisterns, the water of which is not used for any other purpose. The closets must never be supplied directly from the Croton supply-pipe. A group of closets may be supplied from one tank. But water-closets on different floors are not permitted to be flushed from one tank.

42. The valves of cisterns must be so fitted and adjusted as to prevent wasting of water, especially where cisterns are supplied from a tank on the roof.

43. The overflow-pipes from water-closet cisterns must discharge into an open rink, or where its discharge will attract attention and indicate that waste of water is occurring, but not into the bowl of the water-closet, not into the soil or waste pipe, nor into the drain or sewer. When the pressure of the Croton is not sufficient to supply these tanks a pump must be provided.

44. Tanks for drinking-water are objectionable; if indispensable, they must never be lined with lead, galvanized iron, or zinc. They should be constructed of iron, or wood lined with tinned and planished copper. The overflow should dis-

charge upon the roof, or be trapped and discharge into an open sink, never into any soil or waste pipe or water-closet trap, nor into the drain or sewer.

45. Rain-water leaders must never be used as soil, waste, or vent pipes; nor shall any soil, waste, or vent pipe be used as a leader.

46. When within the house, the leader must be of cast-iron, with leaded joints; when outside of the house and connected with the house-drain it must be trapped beneath the ground or just inside of the wall, the trap being arranged in either case so as to prevent freezing. In every case where a leader opens near a window or a light-shaft, it must be properly trapped at its base.

47. No steam-exhaust or blow-off pipe from a steam boiler will be allowed to connect with any soil or waste pipe, or directly with the house-drain. They should discharge into a tank or condenser the waste from which, if to be discharged into the sewer through the house-drain, must be connected on the sewer-side of the running trap.

48. Subsoil drains must be provided whenever necessary.

49. Yards and areas should always be properly graded, cemented, flagged, or well paved, and properly drained; when the drain is connected with the house-drain it must be effectively trapped. Front area drains must, where practicable, be connected with the house-drain inside of the running trap.

50. Cellar and foundation walls must, where possible, be rendered impervious to dampness, and the use of asphaltum or coal-tar pitch in addition to hydraulic cement, is recommended for that purpose.

51. No privy-vault or school-sink will be allowed in any cellar or basement; nor shall the general privy accommodation of a tenement or lodging house be allowed to be in the cellar or basement.

52. No privy-vault, or cesspool for sewage, will be permitted in any part of the city where water-closets or a school-sink can be connected with a public sewer in the street.

53. School-sinks must be of cast-iron, not more than two feet in depth, connected at the upper end with the Croton supply, and at the lower end with a drain leading to the street-sewer, and provided with an outlet at the lowest point and on the bottom so as to admit of a complete discharge of the contents whenever the outlet is opened and the sink flushed with water.

54. The sink must be set so that the flange will be at least two feet below the yard surface, to prevent freezing. It must be at least ten feet from any window or as near that distance as practicable.

55. The waste-pipe from a hydrant-sink in the yard must be properly trapped, especially where it discharges into a school-sink, a privy-vault, or cesspool, or the house-drain.

56. Open light and air courts must be properly drained.

57. When a privy-vault or cesspool must necessarily be used, and the water supply of the premises is from a well, they must be at least fifty feet from the well; and the privy-vault must be absolutely tight.

By order of the Board.

EMMONS CLARK,

Secretary.

AMENDMENTS AND ADDITIONS.

53. *Material.* School sinks should be of cast-iron, at least ¼-inch thick, free from all defects, with iron sides extending to the yard level, the whole inner surface coated with asphalt; or if an iron sink of less than three feet in depth is used, the sides above the iron flange, if constructed of brick, must be made impermeable to fluids by being laid in hydraulic cement or asphalt and faced and coated with the same material. When school sinks are constructed entirely of brick they should be made impermeable to fluids and secured against any saturation of the walls or ground about the same by laying the brick in hydraulic cement or asphalt and by facing and coating the inner and outer surfaces of the sinks with hydraulic cement or asphalt. The walls and bottom must be at least eight inches thick.

54. *Form and Size.* School sinks may be of any length; the bottom to the height of one foot must be oval in shape, with a descent toward the outlet of ¼ inch to the foot. For double sinks the greatest width should be not less than 31 inches at a cross section one foot above the bottom. For single sinks the cross section at one foot above the bottom should not be less than two feet and at the yard level twenty inches. The bottom of the sink must in no case be more than three feet below the yard surface.

55. *Foundation.* Iron school sinks must be firmly set upon a foundation of concrete or of brick or stone laid in hydraulic cement or asphalt.

56. *Appurtenances.* Whether of iron or other material, school sinks must be provided with—

1st. A running trap with hand-hole, set on the drain leading from the sink and as near to it as practicable.

2d. An overflow plug at the lower end and outlet, to run in guides, with a rise of not less than four inches, and operated by a lever, unless the plug is accessible by an opening to the sink outside of the privy-house.

3d. A cross grating, with bars not less than two inches apart, placed so as to protect the outlet. The upper part of the grating should incline towards the plug.

4th. The outlet of school sink must be firmly secured to the drain-pipe with a water-tight joint.

57. *Drain.* The drain leading to the sewer from the sink should have a uniform descent of not less than one-half an inch to the foot. In no case should a school sink discharge into either a manhole, catch-basin or cesspool.

58. *Water Supply.* School sinks must be connected at the upper end with a pipe direct from the Croton supply, controlled by a self-draining valve so placed as to prevent freezing. This supply pipe should in no case be less than one-half inch in diameter. Hydrant waste pipes, when trapped, may discharge into the school sink. Waste pipes from house should in no case connect or discharge into school sink.

59. *Ventilation.* The doors of the compartments should be provided with slat openings near the top, and ventilators should be placed on the roof over each compartment.

60. No privy-vault or school sink will be allowed in any cellar or basement.

By order of the Board,

EMMONS CLARK,

Secretary.

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HEALTH DEPARTMENT.

9 A.M. to 4 P.M.

HEALTH DEPARTMENT, No. 301 MOTT STREET, N. Y.

Pursuant to chapter 450, Laws of 1881, section 2, and the Rules established by this Board, publication is hereby made of the list of plumbers who have registered their names and addresses at the Health Department of the City of New York, to date, in compliance with the provisions of section 1 of said act.

MASTER PLUMBERS.

Names and Places of Business

Ackerman, Charles, Arlington, N. J., and N. Y. City.
Ahearn, John, 224 East 35th street.
Ahearn, John, 237 William street.
Ahner, Henry, 94 Eldridge street.
Ahrens, Charles, 1605 First avenue.
Anderson, Henry, 236 De Kalb avenue, Brooklyn.
Andrews, P. J., 1085 Third avenue.
Andrews, Thomas, Third avenue, opp. 166th street.
Armstrong, David, 100 Third avenue.
Armstrong, Barclay, 230 Greenwich st.
Armstrong, James, 5 Murray street and 100 Third avenue.
Ash, John G., 183 William street.
Austin, William D., 142 West 38th st.
Barratt, Oliver, 103 South 5th avenue.
Baguley, William, 54 West 29th street.
Bahen, John, 115 Avenue C.
Bailey, John, 121 Worth street.
Bailey, Thomas, 10th avenue, cor. 151st street.
Bailey, William J., 1582 Broadway.
Banks, P. G., 132 West 26th street.
Barlow, John, 105 West Broadway.
Barrett, Thomas, 302 East 32d street.
Barry, John, 178th street, bet. 4th and Washington avenues.
Barry, John, 209 East 125th street.
Barry, Richard J., 978 Third avenue.
Barton, Egbert G., 164 Grand street.
Barrett, Fred C., 52d street, cor. Broadway.
Beck, William, 1001 Third avenue.
Beeker, Daniel, 896 Second avenue.
Beck, Frank E., 1001 Third avenue.
Bell, John A., 329 East 80th street.
Beglin, Michael J., 406 West 42d st.
Beplat, W., 325 East 88th street.
Bilz, Conrad, 58 Dey street.
Bishop, William, 210 South street.
Bodkin, John L., 65 Broadway.
Born, Oscar T., 359 Greenwich street.
Bolger, Paul S., 472 Fourth street.
Bollacher, William J., 410 West 39th st.
Boswell, Michael F., 263 West 125th st.
Bonnel, Charles J., Newark, N. J., 196 and 198 Market street.
Bonnel, Joel M., Newark, N. J., 196 and 198 Market street.
Bowker, Alfred, 320 West 40th street.
Boulard, George F., 685 East 144th st.
Bowksy, Leopold, 843 Third avenue.
Boyce, George, 154 Third avenue and 60 Fulton street.
Boyd, Harkness, 45 Greene street.
Boyland, James, 2080 Third avenue.
Boyle, George, 1611 Second avenue.
Bormann, William H., 2378 Fourth ave.
Brady, Cornelius, 7 and 8 Canal street.
Brady, Edward J., 60 Warren street.
Brady, John F., 142 Second avenue.
Brady, Patrick, 445 Seventh avenue.
Brady, Philip, 861 Sixth avenue.
Brady, Robert, 1 South William st.
Brady, Thomas, 348 East 20th street.
Brandt, William H., 58 Bleecker st.
Brennan, Francis G., 603 Seventh ave.
Brenner, William, 195 Greene street.
Brien, Timothy, 381 Bleecker street.
Brutton, John W., 426 Eighth avenue.
Brode, Frederick, 943 Ninth avenue.
Brown, George B., 2302 Fourth ave.
Brown, Robert, 74 Cortlandt street.
Bryan, James, 431 Grand street.
Bryan, Wm., 165 West 45th street.
Buckbee, John, 183 William street.
Buckner, Frank, 127 Sheriff street.
Burge, Jacob, 172 Essex street.
Burke, T. F., 1013 Sixth avenue.
Burne, Edward T., 197 Third avenue.
Burnham, Wm. H., 16 Eighth avenue.
Buskirk, Schuyler V., 58 Fourth ave.
Butcher, John H., 252 Water street.
Butcher, Jacob, 282 Seventh street.
Byrne, F. J., 353 East 10th street.
Byrnes, Bernard, 445 Seventh avenue.
Byrnes, Christopher, 114 East B'way.
Byrns, Patrick J., 100 West 32d st.

HEALTH DEPARTMENT—Master Plumbers—*Continued.*

Byrns, John, 425 Grand street.
Cahill, John M., 1949 Third avenue.
Cahill, Thomas, 657 Eleventh ave.
Cain, Michael, 668 Eighth avenue.
Callaghan, Francis, 78 Fourth ave.
Callaghan, John, 1038 Second avenue.
Campbell, Philip B., 2115 Second ave.
Cameron, Samuel, 730 Ninth avenue.
Cameron, Alexander, 76 Eighth ave.
Carraher, Patrick, Jr., 332 Monroe st.
Cantwell, James, 980 Second avenue.
Carr, James J., 406 East 18th street.
Carroll, Daniel, 57 West 33d street.
Carney, Patrick, 96 Eighth avenue.
Carey, Jeremiah, 121 First avenue.
Carmichael, Robert, 401 East 33d st.
Carmichael, Colin, 504 Ninth avenue.
Carson, Charles, 588 Third avenue.
Carter, Thomas, 3 Bleecker street.
Carter, Jesse, 1482 First avenue.
Casey, James, 745 First avenue.
Casey, Lawrence, 799 Eighth avenue.
Castrano, Louis C., 2 Second street.
Cavanagh, James, 201 East 31st street.
Chase, George S., 174 Greenwich st.
Chambers, Thomas, 247 Bleecker st.
Chambers, Benjamin, 556 Hudson st.
Christman, Louis, 626 Eighth avenue.
Christie, William, 165 East 85th st.
Clabby, P. J., 4 Albany street.
Clan Ranald, George J., 9½ University pl.
Claber, A. Chris., 432 West 40th st.
Clark, Samuel, 430 Fourth avenue.
Clarke, Rutherford, 1012 Sixth ave.
Clark, Alexander, 430 Fourth avenue.
Clark, Thomas, 467 Canal street.
Clavin, P., 1162 Second avenue.
Clemens, Frank, 1632 Second avenue.
Cranston, W. H., 1030 Third avenue.
Clinchey, Anthony, 115 East 13th st.
Coburn, Robert, 73 Varick street.
Cochrane, Thomas, 223 West 26th st.
Cochran, Thomas B., 64 West 10th st.
Cogan, Patrick, 48 East 4th street.
Cogan, Thomas F., 62 East 10th st.
Collins, Jas. C., 413 East 119th st.
Connolly, J. H., 1278 Broadway.
Connolly, F. H., 1278 Broadway.
Connell, John J., 88 New Chambers st.
Conner, Thomas, 37 Ann street.
Conover, George M., 2287 Second ave.
Coman, William F., 307 Pearl street.
Cook, Francis, 187 Ninth avenue.
Cook, John, 51 Fulton street.
Cooper, J. H., 918 Eighth avenue.
Coppers, Edward, 16 Ann street.
Copman, Charles, 108 Avenue A.
Corbitt, James R., 657 Sixth avenue.
Costello, Michael J., 26 West Broadway.
Creamer, Henry, 57 East 76th street.
Creeden, John, 384 Canal street.
Crotty, John F., 45 West 124th street.
Cummins, Thomas J., 1035 Third ave.
Cummings, Richard, 385 Hudson street,
Cummings, James J., 56 West 27th st.
Cunningham, Edward B., 32 E. 12th st.
Curtis, Thomas E., 155 Twenty-seventh street, Brooklyn.
Dahl, Philip, 523 Fifth street.
Daly, Dennis, 622 Ninth avenue.
Daly, James, 886 Sixth avenue.
Daly, Philip, 809 Sixth avenue.
Daily, William, 2187 Third avenue.
Darre, Richard, 11 Roosevelt street.
Davis, William H., 184 East 119th street.
Deering, John, 384 Ninth avenue.
Delouest, Albert J., 97 Bleecker street.
Delany, Jeremiah, 128 Fourth avenue.
De Revere, William H., 2115 Third ave.
Deutses, Max, 846 First avenue.
Devitt John J. 209 East 74th street.
Dewar, William H., 206 West 20th st.
Dickerman, E., 2289 Third avenue.
Dillenburg, Caspar J., 377 Grand street.
Dinnin, Hugh, 42 Broad street.
Dippel, Frederick, 400 First avenue.
Dodd, William, 21 New Chambers street.
Don, Alexander C., 107 West 36th street.
Donnelly, Gerald, 365 West 22d street.
Donnelly, Robert, 982 Sixth avenue.
Donegan, Roger, 293 East Broadway.
Dorn, Andrew, Jr., 179 Seventh street.
Dowling, W. W., 2 Rector street.
Doyle, Peter, Broadway, near 67th street.
Duffy, John, 73 Liberty street.
Duff, Joseph, 69 Montgomery street.
Duffy, Michael, 73 Third avenue.
Dugan, John A., 802 Sixth street.
Duggan, Edward, 33 Leonard street.
Dunn, Edward, 104 Market street.
Dunn, George H., 547 Pearl street.
Dunn, John S., 189 East 71st street.
Dunn, Walter P., 104 Market street.
Dunne, Michael J., 102 Fourth avenue.
Eagleson, James, 1669 Third avenue.
Eberhart F., 1464 First avenue.
Edmonds, John W., 688 Sixth avenue.
Edgar, Alexander, 429 Hudson street.
Elder, John, Jr., 155 Crosby street.
Eldridge, Samuel, 58th street.
Ehrhart, F., 28th street.
Elgar, John H., 402 West 34th street.
Ellis, John, 1214 Third avenue.
Elliot, Thomas, Flushing, L. I.
Ellison, John S., 502 West 21st street.
Ellison, Thomas J., 206 East 125th street.
Ennever, Nicholas, 191 Third avenue.
Ennever, Robert, 191 Third avenue.
Emrard, Louis J., 74 Spring street.
Emminger, Charles R., 934 Sixth ave.

HEALTH DEPARTMENT—Master Plumbers—*Continued.*

Engel, Gustave, 1608 Second avenue.
Ennis, Thomas, 187 Ninth avenue.
Erfort, George T., 410 West 39th street.
Fagan, John L., 78 Front street.
Falls, Alexander J., 1661 Second ave.
Fay, James, 820 Third avenue.
Feahan, James, 1026 Third avenue.
Fehlinger, Jacob, 210 Forsyth street.
Feery, Patrick J., 166 East 33d street.
Ferrier, John J., 246 Broome street.
Field, Charles E., 115 John street.
Finn, Bernard W., 186 Forsyth street.
Fisher, Frank, 175 East 3d street.
Fitch, Thomas J., 864 Third avenue.
Fitzgibbon, Gerald, 109 Canal street.
Flay, James, 147 Christopher street.
Flaherty, William, 244 East 35th street.
Flanagan, Frank, 163 East 54th street.
Fleming, James J., 52 East 14th street.
Flick, Charles, 230 Avenue B.
Fogarty, John, 74 Maiden lane.
Foley, John, 385 Second avenue.
Forster, William, 1050 Third avenue.
Ford, John, 62 West Broadway,
Forster, George W., 14 James slip.
Fraser, Cauldwell, 259 West 29th street.
Freely, Cornelius, 100 West 15th street.
Friedman, M., 778 Second avenue.
Fuchs, Otto G., 244 East 42d street.
Furman, James W., 508 Sixth avenue.
Gabay, Henry G., 892 Third avenue.
Gallagher, Thomas, 114 Bleecker street.
Gavagan, Christopher, 94½ Elm street.
Gerlach, August, 3 Second street.
Gernert, Adam, 731 Ninth avenue.
Geraty, Nicholas G., 1258 Third avenue.
Gassert, Charles F., 106 Liberty street.
Gillespie, Patrick, 629 Sixth avenue.
Gill, James, 832 Third avenue.
Gleeson, James, 42 New Church street.
Gleeson, William, 220 Avenue A.
Gordon, James G., 178 East 80th street.
Gooden, Edward M., 128 Greene street.
Goodman, Nathan, 173½ Division street.
Goold, Michael, 1104 Second avenue.
Goodrich, Leroy L., 35 Jane street.
Gorman, Thomas J., 68 Maiden lane.
Grace, Richard, 74th st. and 131 B'dway.
Graham, J. H., 104 East 13th street.
Graham, James, 257 West 31st street.
Graham, James, 305 10th avenue.
Gray, Albert, 148 William street.
Gray, James, 697 Greenwich street.
Gray, James, 148 East 19th street.
Greene, Levi R., 69 Kilry st., Boston.
Greene, Edward, 264 East Broadway.
Gross, George, 288 Third avenue.
Griffin, Edward, 60 West 3d street.
Gregory, John, 45 Market street.
Gull, John W., 415 Bleecker street.
Grimes, James, 101 Broad street.
Guy, Joseph, 34 Henry street.
Haas, William, 61 Grand street.
Hadfield, Joseph, 73 Liberty street.
Hatfield, Geo. W. 1141 Ogden avenue.
Haggerty, Dennis F., 132 Greenwich ave.
Haggerty, Dennis F., 259 West 14th st.
Haines, John R., 1478 Third avenue.
Halpin, Mathew, 177 East 110th street.
Halpin, P. S., 1119 Second avenue.
Hallenbeck, G. W., 338 Henry street.
Hamma, Charles, 147 Stanton street.
Hamill, Jas. W., 802 Ninth avenue.
Hamill, Thomas, 454 West 35th street.
Hanna, Samuel, 555 Hudson street.
Hannegan, James T., 61st st. & 10th ave.
Harmon, Thomas M. 110–118 Third ave.
Hanneman, John, 425 Fifth street.
Harper, Robert, 4 Main street, Yonkers.
Hartman, Robert, 34 Avenue A.
Hastley, Theodore M., 114 John street.
Haskell, Benjamin F., 420 Broome st.
Hatfield, Stephen E., Washington ave. and 175th street.
Hauhennestel, Louis, 637 Eleventh ave.
Hawey, Thomas, 268 Canal street.
Hayes, John, 138 Crosby street.
Hayes, William, 204th street.
Heatherton, Edward J., 35 Ann street and 1690 Third avenue.
Heatherton, James M., 35 Ann street and 1690 Third avenue.
Helferich, Peter, 314 West 39th street.
Held, Charles A., 412 West 41st street.
Henderson, Alexander P., 17 East 17th street.
Henderson, James, 27 Sixth avenue.
Henderson, S. J., 200 West 21st street.
Hennessey, David, 1597 Broadway.
Hennessy, William P., 311 East 5th st.
Henman, Leopold, 1303 Third avenue.
Herriott, Alexander J., Broadway and McComb street.
Herriott, William C., Broadway, Kingsbridge.
Hetzel, Chr. F., 302 East 81st street.
Hicinbothem, George, 586 Ninth avenue.
Hicinbothem, William, 2374 Third ave.
Higbie, Wm. F., East Orange, N. J.
Hill, George, 94 Greenwich street.
Hitton, John, 122 Avenue C.
Helms, W. S., 188 East 123d street.
Herrlich, Frederick, 191 Seventh ave.
Hoffman, Louis D., 120 Elm street.
Holland, Thomas C., Fourth avenue bet. 77th and 78th streets.
Hobborow, Edward B., 425 West 50th st.
Holborow, William J., 401 West 24th st.
Hollings, Henry, 402 East 14th street.
Hollorow, E. B., 443 West 50th street.

HEALTH DEPARTMENT—Master Plumbers—*Continued.*

Hopkins, Alfred, 456 Main street, Bridgeport, Conn.
Horstmann, Richard, 200 East 50th st.
Howarth, Charles, 114 Maiden lane.
Hindley, John H., 794 Sixth avenue.
Hughes, Edward, 124 Greene street.
Hughes, Michael, 296 East 81st street.
Hammond, John H., 100 West 33d st.
Hurley, John, 4 Clarkson street.
Hutschenreuther, Ernest, 13 Clinton place.
Ingis, William, 119 West 25th street.
Ingram, Arthur, 344 Fourth avenue.
Irvin, Ralph, 1274 Third avenue.
Ivans, Thos. Jefferson, 473 Grand street.
Ivess, Alfred, 316 Fourth avenue.
Ivers, W. H., 48 East 23d street.
Jacobs, E. W., 21 Rector street.
Jaehne, Ernst G., 271 Spring street.
James, George S., 1088 Fulton street, Brooklyn.
Jansen, Christian F., 94 Beekman street.
Japtok, Carl, 156 East Houston street.
Jarrett, Harry H., 50 West 30th street.
Jerman, Thomas, 346 Ninth avenue.
Jones, Morgan, 67 Centre street.
Jones, John J., 334 East 30th street.
Johnson, John, 119 Bleecker street.
Johnson, Thomas, 2341 Third avenue.
Kane, Francis W., 1080 Third avenue.
Kane, James, 304 East 49th street.
Katz, Meier, 163 East Fourth street.
Keanney, William M., 610 Tenth ave.
Keating, Thomas, 86 Duane street.
Keegan, John, 731 Tremont avenue.
Keenan, M. J., 38 Oliver street.
Kelbel, Charles, 644 Ninth avenue.
Keller, John E., 4 East 60th street.
Keeley, James D., 57 West 30th street.
Kenney, Daniel F., 201 Clinton street.
Kenny, John J., 1517 Third avenue.
Kennedy, Andrew, 554 Third avenue.
Kemp, William A., 399 Pearl street.
Keppel, John, 42 Sixth avenue.
Kerin, Jeremiah, 2 Cortlandt street.
Kiernan, William J., 174 Pearl street.
Kiesewetter, Ludolph, 357 Washington street, Newark, N. J.
Kildare, Frank T., 1177 Third avenue.
King, Thomas B., 24 John street.
Kirkwood, Thomas, 52 West 32d street.
Kistner, John, 196 William street.
Kitchin, Andrew H., 101½ East 10th st.
Knapp, Jarvis H., 83 West 12th st.
Kneale, Frederick S., 121 Prince st.
Knight, Chas. P., 33 West 29th st.
Knight, Daniel, 33 West 29th street.
Knight, P. H., 60 William street.
Knight, James W., 66 West 34th st.
Kranichfelt, Charles H., 258 Rivington st.
Kuemmel, John, 229 East 46th st.
Laeble, Fred., 72 Grand street.
Lalbr, James F., 411 East 119th st.
Lamb, Wm., 15 Province street, Boston, Mass.
Lamarch, Charles D., 254 East 74th st.
Lanahan, Stephen I., 60 Spring st.
Lawton, W. A., 416 Fourth avenue.
Leary, James J., 9 Murray street.
Leddy, Hugh, 877 and 1148 Third ave.
Lederer, Charles, 205 Bowery.
Lehmann, George, 33 Stanton street.
Lenihan, Daniel, 133 Canal street.
Levin, Abraham, 202 East 40th street.
Liddell, William, 688 Sixth avenue.
Lightbody, William J., 152 Front st.
Liney, Bartholomew, 524 Eighth ave.
Linke, Francis, 217 East 4th street.
Lissner, Adolph, 1404 Third avenue.
Locke, F. T., 1341 Broadway.
Low, Alexander, 800 Seventh avenue.
Lyman, Wm., 1654 Second avenue.
McGowan, James, 1404 Third avenue.
McAllester, H. W., 1891 Third ave.
McAdie, John, 777 Washington st.
McAnnery, Michael F., 9 Carmine st.
McAuliffe, Timothy, 893 Third ave.
McAuley, Thomas, 1374 Third ave.
McCabe, William, 110 Sixth avenue.
McCallam, Alexander, 304 West 41st st.
McCarron, John, 915 Sixth avenue.
McClellan, James H., 172 Eighth ave.
McConnell, John J., 1188 Third ave.
McCormick, Hugh, 269 West 126th st.
McCormack, Terence, 166 East 33d st.
McCreery, Hugh, 937 Third avenue.
McDermott, Michael J., 715 Tremont avenue.
McDermott, John, 262 West 52d st.
McDermott, P., 177th st. and Fourth avenue.
McDonald, Bernard, 116 Monroe st.
MacDonald, Joseph, 296 Sixth avenue.
McDonough, Thomas, 76 West 55th st.
McDougall, Daniel, 198 East 74th st.
MacDonald, Edward, 1201 Myrtle ave.
McElraery, David, 940 Eighth avenue.
McEvoy, Patrick E., 167 Crosby st.
McGinnis, Owen, 47 Pitt street.
McGowan, Hugh, 151 East 20th st.
McGowan, Rodger, 256 West 32d st.
McGrann, Bernhard, 197 Eighth ave.
McGuire, James, 36 Market st.
McGuckin, Henry P., 1004 and 1221 Third avenue.
McIndo, James, 425 Third avenue.
McKenna, John, 1148 and 1877 Third avenue.
McKeon, Bartholomew, 821 Sixth ave.
McInerney, Michael, 568 Second ave.

HEALTH DEPARTMENT—Master Plumbers—*Continued.*

McKnight, Robert N., 746 Ninth ave.
MacKenzie, William, 109 West 30th st.
MacKenzie, John, 4 East 60th st.
McLean, Alexander, 148 Third street.
McLaughlin, James, 125th street and Eighth avenue.
McLaughlin, James, 157 West 41st st.
McLoughlin, P. J., 469 W. 42d street.
McMahon, William F., 2 Marion street.
McManus, Nicholas, 101 Greenwich st.
McMein, George R., 113 Hudson street.
McMillan, John, 894 Sixth avenue.
McMurray, Charles, 11 Clinton street.
McNamara, John, 2215 Second ave.
McQuade, Hugh, 1482 Second avenue.
McQueen, Robert, 14 James slip.
McSorley, Alexander, 387 Broadway.
Mackey, Joseph, 57 Norfolk street.
Maguire, James Jr., 40 Canal street.
Magrain, William F., 487 Third ave.
Madden, William E., 90 Prince street.
Mahon, John W., 28 Barrow street.
Malone, Daniel, Third ave. and 147th st.
Malany, Peter, 504 Fifth street.
Mallon, Peter, 49 Nassau street.
Malcolm, Samuel L., 1038 Second ave.
Malony, James, 422 Seventh ave.
Managhan, Mathew, 225 Bleecker st.
Martin, Thomas, 256 Sixth avenue.
Martin, William, 256 Sixth avenue.
Mara, William, 144 East 15th street.
Maran, James, 275 Ninth avenue.
Marran, Thomas, Riverdale.
Martin, G. W., 909 Sixth avenue.
May, John, 12 Broadway.
Mayer, Rudolph J., 2253 Third avenue.
Mayer, John V., 100 Second st.
Mead, Abraham, 992 Sixth avenue.
Mead, George H., 11 East 14th street.
Meade, Patrick, 50 Centre street.
Meade, Thomas, 179 Clinton street.
Meehan, Christopher, 792 Ninth ave.
Mela, Ferdinand H., 843 Third avenue.
Melville, David, 154th st. and 10th ave.
Mellor, William, 303 Bleecker street.
Mellor, Henry, 234 West 16th street.
Mellor, Joseph, 404 West 17th street.
Merritt, Charles, 302 West 20th street.
Meyer, E. W., 33 Horatio street.
Michel, Ferdinand, 103 East Ninth st.
Michel, George, 93 Beaver street.
Miller, John, 753 Seventh avenue.
Millor, Thomas, 276 West 53d street.
Miller, William H., 158 New Chambers st.
Miller, John R., 2126 Second avenue.
Missell, Charles, 785 Tenth avenue.
Mitchels, Wm., 15 Province st., Boston, Mass.
Mitchell, John, 113 Hudson street.
Moeschen, Louis, 586 Third avenue.
Moloney, Cornelius, 259 South street.
Molten, Charles L., 325 Fourth avenue.
Montgomery, John, 59 East Ninth st.
Monroe, William Otis, 1341 Broadway.
Moore, James, 328 East 122d street.
Mora, James, 325 West 54th street,
Moran, William, 74 Cortlandt street.
Morrell, Wm. H., 108 Front street.
Morris, Martin E., 4 Liberty place.
Morgan, Thomas, 1028 Fourth avenue.
Morton, James M., 945 Sixth avenue.
Mowbray, John, 82 Vesey street.
Mueller, Gustav, 21 Hudson street.
Muir, Frank, 321 Avenue A.
Muir, James, 29 East 18th street.
Mulholland, Henry, 212 Ninth avenue.
Mullay, Thos. W., 350 Sixth avenue.
Muller, C., 727 Seventh avenue.
Mullen, William, 28 Varick street.
Mullen, John J., 201 Clinton street.
Mulligan, John, 100 West 17th street.
Müller, Jacob, 292 Broome street.
Murphy, Edward, 591 Third avenue.
Murphy, John, 126 Fulton street and 65 Exchange place.
Murphy, Joseph, 2321 Fourth avenue.
Murphy, Michael, 468 Fourth avenue.
Murray, Thomas, 1457 Third avenue.
Murray, Charles, 54 East 13th street.
Murray, James, 301 East 79th street.
Murtha, Joseph F., 156 East 29th street.
Nadebor, Moritz, 60 Stanton street.
Neff, John, 167 Suffolk street.
Newman, Patrick, 151 Ninth avenue.
Noble, James, Jr., 174 East 125th street.
Noble, William, 174 East 120th street.
Nordinger, Jacob, 151 Avenue A.
Norris, John, 114 Sixth avenue.
Norton, N. L., 2315 Fourth avenue.
Nugent, James, 176 Grant street.
Nunnery, John, 235 Seventh avenue.
O'Brien, James, 651 Sixth avenue.
O'Brien, William J., 2427 First avenue.
O'Brien, John, 1794 Lexington avenue.
Obertuffer, Edward, Stapleton, S. I.
O'Connell, Timothy, 1599 Second ave.
O'Connor, Edward, J., 1486 Third ave.
Ogden, Mancella E., 1000 Sixth avenue.
Ogle, Alexander, 1482 First avenue.
O'Keefe, Wm. C., 544 West 45th street.
Olmstead, Charles, 469 Canal street.
O'Neil, Bernard, 578 Ninth avenue.
O'Neill, James F., 200 West 12th street.
O'Neil, James, 254 West Houston street.
Orth, Gustavus E., 25 Frankfort street.
Orr, Alexander, 19 West Eleventh street.
O'Sullivan, Jeremiah N., 1435 Third ave.
O'Toole, Francis H., 242 Sixth avenue.
Owens, John F., 556 Ninth avenue.
Palmer, George W., 1293 Broadway.

HEALTH DEPARTMENT—Master Plumbers—*Continued.*

Palmer, William, 268 West 34th street.
Patton, William G., 220 Canal street.
Patterson, Thomas, 105 Maiden lane.
Pearson, James, 616 Sixth avenue.
Petry, Geo., 63 East 12th street.
Pettit, Joseph T., 46 Avenue C.
Pfletschinger, Frederick, 165 West 25th st.
Phillips, C. J., 202 East 34th street.
Phillips, George R., Broadway and Thirty-ninth street.
Philp, James, 1667 Broadway.
Pierson, Thomas F., 34 Second avenue.
Pinkerton, John L., 329 Fourth avenue.
Pitt, William A., 845 Sixth avenue.
Porter, C. A., 243 East 46th street.
Power, Nicolas N., 150 Mulberry street.
Powers, James J., 94 Beekman street.
Prior, John, 60 West Third street.
Price, Henry C., 112 East 14th street.
Price, John, Jr., 39 Columbia street.
Prunty, John T., 1030 Third avenue.
Pryan, Daniel, 778 Sixth avenue.
Quin, Joseph P., 8 West 4th street.
Quick, William H., 1206 Third avenue.
Radigan, John, 763 Third avenue.
Rafferty, Dennis, 492 Tenth avenue.
Rankin, William, 306 West 47th street.
Rankin, John, 347 West 43d street.
Regan, Bartholomew, 270 West 40th st.
Regan, John, 72 Park place.
Reibert, Frederick, 217 Fifth street.
Reid, James, Kingsbridge road, Fordham.
Reid, Ralph A., 157 South 4th street, Brooklyn.
Renehan, John, 162 East 35th street.
Reville, Martin, 137 East 56th street.
Reynolds, Edward, 309 East 80th street.
Reynolds, Frank, 832 Third avenue.
Reynolds, Lawrence C., 201 East 57th st.
Richards, William H., 49 University place and 403 Fifth avenue.
Rile, Henry E., 1600 Third avenue.
Rogers, Belden J., 310 Third avenue.
Roos, William, 167 Suffolk street.
Roddy, William, 169 First avenue.
Rooney, John, 425 East 15th street.
Rosenwald, William, 2321 Fourth ave.
Ross, James, 55 Eighth avenue.
Rossman, James A., 11 East 14th street.
Rosenbaum, Daniel, 111 Norfolk street.
Rothenbarger, Gotlieb, 410 Sixth avenue.
Rush, William J., 237 West 46th street.
Ryan, Thomas, 128 Fourth avenue.
Sands, Alfred B., 126 Beekman street.
Samuel, Max, 103 Avenue D.
Sarvis, Charles H., 158 Clinton street.
Scheer, Louis, 2321 Third avenue.
Schlesser, Henry B., 130 East 3d street.
Schlueter, Frederick, 139 East 4th street.
Schinnagel, John, 171 William street.
Schmidt, John, 231 Rivington street.
Schrader, Joseph, 145 West Broadway.
Schrack, Christian H., 32 Carmine st.
Schoen, Charles, 74 Allen street.
Schwaikert, John, 649 East 9th street.
Schwank, Ch., Jr., 262 West 35th street.
Schwarz, Fr., 107 East 4th street.
Scott, George D., 151 Ninth avenue.
Schner, Wilhelm F., 120 Delancey street.
Sexton, Michael, 1112 Third avenue.
Sharp, Edwin H., 35 West 4th street.
Sheahan, Cornelius, 397 Ninth avenue.
Sheehan, John, 150 East 23d street.
Sherman, Charles S., 226 Centre street.
Sheehan, William, 172 Centre street.
Sherman, Leroy B., 196 and 198 Market street, Newark, N. J.
Sheridan, J. F., 867 Eighth avenue.
Sheridan, Francis, 45 Franklin street.
Shepperd, G. S., Kingsbridge road, Fordham.
Shields, Frederick H., 167 Crosby street.
Shumway, Isaac O., 392 Fourth avenue.
Siehel, Emanuel, 1432 Second avenue.
Simpson, Alexander, 302 East 25th st.
Simpson, John, 769 Ninth avenue.
Simmons, Philip, 175 Prince street.
Simmons, William B., 107 West 18th st.
Sims, Alfred, 54 Nassau street.
Sims, Robert J., 1600 Third avenue.
Slattery, John F., 152 East Broadway.
Slott, Cornelius J., 156th street and 10th avenue.
Smith, Michael H., 63 Pennsylvania ave., Newark, N. J.
Smith, P. H., 159 East 51st street.
Smith, Emmet H., 513 Grand street.
Smith, Edmund C., 244 East 42d street.
Smith, George W., 2 Rector street.
Smith, George, Third avenue and 143d st.
Smith, George H., 354 West 38th street.
Smith, J. P., 10th ave., n. w. cor. 100th st.
Smith, John B., 158 Maiden lane.
Smith, Michael, 61 Beekman street.
Smith, Philip, 181 Sixth avenue and 130th street and 3d avenue.
Smith, Albert R., 874 Sixth avenue.
Smyth, Charles, 156 East 29th street.
Smyth, John P., 74 Maiden lane.
Spence, John, 9 Seventh avenue.
Spittlehouse, Charles, 1199 East Broad street, Elizabeth, N. J.
Stewart, Thos. H., 923 10th avenue.
Steele, Joseph, 5 Broadway.
Steele, George, 3d avenue, between 139th and 140th streets.
Steigelmann, August, 17 Spring street.
Stewart, George, 127 West 39th street.
Stroh, Louis H., 864 Eighth avenue.
Stolz, George, 77 Third avenue.

HEALTH DEPARTMENT—Master Plumbers—*Continued.*

Stuart, James, 329 Fourth avenue.
Stuart, John J., 57 East 132d street.
Stuart, William, 60 Third avenue.
Studley, William H., 702 Third avenue.
Sullivan, John J., 1439 Broadway.
Sullivan, Morris J., 64 and 66 Maiden lane.
Sullivan, Timothy, 103 East 117th st.
Swarts, John, 1370 Third avenue.
Sweeney, M. A., 577 Grand street.
Swift, Cyrus B., Broadway and 39th st.
Taffler, Simon, 22 Centre street.
Taggart, David, 97 Mercer street.
Taylor, Edmund, 545 Hudson street.
Taylor, Hugh M., 81 Broad street.
Teets, David, 507 Eighth avenue.
Teets, David H., 47 West Broadway.
Thatcher, James, 61 Centre street.
Thole, Lawrence, 148 East 19th street.
Thomas, George H., 21 Greenwich ave.
Thomson, Andrew L., 25 John street.
Thompson, James, 86 Sullivan street.
Thompson, Matt, 512 Canal street.
Thomton, Thomas J., 106th street and Boulevard.
Thwaites, George, 19 Old slip.
Todd, Charles J., 206 East 125th street.
Toumey, John, 124 Park avenue.
Tompson, William B., 1505 Broadway and 267 West 47th street.
Townsend, Thomas C., 151 Fourth ave.
Trainer, Samuel J., 304 Third avenue.
Travis, William, 139 East 12th street.
Treat, Charles H., 1521 Broadway.
Tubridy, William, 2187 Third avenue.
Tucker, Charles, 31 West 11th street.
Tucker, James, 2331 Fourth avenue.
Tucker, James, 9 Pemberton square, Boston, Mass.
Tuomey, Thomas J., 200 East 72d st.
Turkowsky, Oscar, 2 Second avenue.
Vail, William, 64 University place.
Van Tine, Thomas H., 79 Sixth avenue.
Van Tine, Thomas H., Jr., 79 Sixth ave.
Van Tine, A., 110 West 125th street.
Van Tine, J. H., 110 West 125th street.
Vanoordt, Myndert P., 368 W. 31st st.
Vermilye, Edward L., 75½ East 125th st,
Veritzan, George N., 223 Bowery.
Volkman, Henry, 685 Sixth avenue.
Waas, George, 405 Pearl street.
Wade, William, 35 Centre street.
Walker, John A., 922 Broadway.
Walker, James, 115 Cedar street.
Wallace, John, 101 West 40th street.
Wallace, James L., 435 Ninth avenue.
Wallace, James, 1376 Broadway.
Wallace, Robert, 201 East 58th street.
Waller, Rufus N., 300 West 36th street.
Walsh, Samuel, 463 Greenwich street.
Walsh, Andrew J., 773 Fourth avenue.
Walsh, John, 650 Third avenue.
Walsh, William, 416 Sixth avenue.
Ward, Robert W., 909 Sixth avenue.
Warren, William S., 662 Sixth avenue.
Waters, Ebenezer, 244 West 45th street.
Webb, Samuel, 1679 Broadway.
Weigand, Henry K., 346 Broome street.
Weiss, Fremont O., 310 Third avenue.
Welter, Julius, 625 North Third avenue.
Wenzel, John, 432 East 16th street.
Werbstein, Charles, 166 Orchard street.
West, R. R., 114 John street.
West, Charles, 37 West Broadway.
Whalen, James, 58 West 24th street.
Whearty, John F., 408 Second avenue.
Whitelaw, Alexander L., 391 Fourth ave.
Whittaker, John K., 2155 Third avenue.
Willett, Joseph, 881 Sixth avenue.
Williams, John C., 114 Sixth avenue.
Williamson, Robert, 814 Ninth avenue.
Wilson, George, 178 Third avenue.
Wilson, James, 178 Third avenue.
Wilson, Michael, 530½ Broome street.
Wisel, Adolph, 582 Third avenue.
Wolf, J. C., 166 Greenwich street.
Wood, John, 66 Broad street.
Young, Peter, 206 West street.
Young, William, 1022 Third avenue.
Young, William, 169 Thompson street.
Young, Charles G., 362 Eighth avenue.
Zang, Henry, 167 Ludlow street.

JOURNEYMEN PLUMBERS.

Names and Places of Residence.

Ackerman, F. E., 314 West 39th street.
Adams, Thomas, 509 West 49th street.
Adamson, McIntosh, 9 Bleecker street.
Agnew, Arthur, 432 West 28th street.
Allan, J. J., 128 Greenwich avenue.
Allan, William A., 5½ Jane street.
Allen, William, 5½ Jane street.
Andrews, John H., 156th st. and 10th ave.
Angus, Charles, 304 West 13th street.
Armstead, T. B., 258 West 26th street.
Arthur, Charles, 116 South 5th avenue.
Areson, Stephen, 497 Ninth avenue.
Ashfort, William T., 304 Grand street, Brooklyn.
Askey, Charles, 896 Third avenue.
Astin, Joseph, 433 West 17th street.
Avery, Joseph T., 850 Eighth avenue.
Arnold, Joseph C., 327 East 35th street.
Baguley, Mark P., 4 Bank street.
Banham, William F., 156 East 129th st.

HEALTH DEPARTMENT—Journeymen Plumbers—*Continued.*

Bajart, C. N., 107 West 53d street.
Baker, William, 170th street and Franklin avenue.
Bolem, William, 96 South 5th avenue.
Banta, Stephen S., 10 Cornelia street.
Barrett, David F., 651 East 13th street.
Barrett, J. P., Guttenberg, N. J.
Barrett, P. A., Guttenberg, N. J.
Barrett, Thomas, 307 Pearl street.
Barr, Joseph A., 138th East 15th street.
Baron, M., 56 West Broadway.
Barclay, Henry, 333 First avenue.
Bardsch, Louis, 234 West 27th street.
Bavier, Charles S., West 96th street and Boulevard.
Bastable, Arthur, 206 East 63d street.
Bates, Oliver G., 313 East 117th street.
Beavey, Cass, 124½ East 88th street.
Beckert, John H., 2370 Fourth avenue.
Beck, Christian, 131 Suffolk street.
Beggs, Thomas, Englewood, N. J.
Bell, Andrew, 13 Bank street.
Bellingham, Thomas, 468 Seventh ave.
Beesley, John, 135 East 49th street.
Beesley, William, 135 East 49th street.
Benson, George, 16 Gansevoort street.
Bentson, Bent N., 317 West 41st street.
Bennett, Alexander, 381 Bleecker street.
Bennett, William P., 217 Third avenue.
Berg, Albert, 253 West 35th street.
Betts, Chas. G., 398 South 5th st., B'k'n.
Black, Patrick, 1407 Third avenue.
Blackmore, James, 282 West 10th street.
Bogan, Andrew, 203 East 45th street.
Bohan, Thomas, 179 North 8th street, Brooklyn, E. D.
Bolman, Albert, 639 East 11th street.
Bonnell, R. V., 40 West Jersey, Elizabeth, N. J.
Bond, George, Newark, N. J.
Boyle, F. H., 13 Atlantic ave., B'klyn.
Boyle, John, 331 East 36th street.
Boyle, John F., 346 West 52d street.
Boyle, William, 19 Marion street.
Boylan, Joseph, 53 Broome street.
Boyland, Edward J., 323 East 114th st.
Bourne, Harvey, 358 Bowery.
Bowman, John, 10 Fourth place, B'klyn.
Bowman, Morris, 196 Grand street.
Bowke, Patrick, 3 Monroe street, Hoboken, N. J.
Brady, Edward, 307 Pearl street.
Brady, John J., 6th avenue, bet. 124th and 125th streets.
Brady, John M., 50 Dykeman st., B'klyn.
Brady, James, 130 East 4th street.
Brady, Thomas, 1502 First avenue.
Bradley, John, 213 West 16th street.
Bradley, Patrick, 419 East 15th street.
Brennan, Albert, 126 East 118th street.
Brennan, William, 140 Second avenue.
Brennan, Edmund J., 1445 Park avenue.
Bressingham, James, 115 Willett street.
Britt, Michael H., 328 East 53d street.
Britt, Thomas F., 358 East 53d street.
Brogan, Frank, 311 East 32d street.
Brogan, James, 311 East 32d street.
Brogan, Joseph, 1333 Third avenue.
Brogan, Peter, 1333 Third avenue.
Broderick, Dennis, 343 East 39th street.
Brophy, John, 305 East 24th street.
Brosnan, Timothy, 873 Sixth street.
Brown, George F., 518 Lexington ave.
Brown, Isaac J., 419 East 61st street.
Brown, William, 41 Delancey street.
Bryant, Alexander, 1996 Third avenue.
Buchanan, John, 772 Eighth avenue.
Buchanan, James, 321 West 25th street.
Buchanan, John, 74 New Chambers st.
Buckley, Jeremiah, 179 East 118th st.
Buckley, Jeremiah, 1522 First avenue.
Bull, Edward W., 324 East 33d street.
Bulls, John, 730 Second avenue.
Buggie, Thomas R., 114 Eldridge street.
Bunting, Arthur, 74 North 6th st., B'k'n.
Bunting, Robert, 306 East 32d street.
Burns, Henry, 1131 Third avenue.
Burns, Hugh, 551 West 48th street.
Burns, John T., 308 East 60th street.
Burns, William J., 425 Third avenue.
Burke, Joseph, 122 East 88th street.
Burke, William, 159 East 26th street.
Burton, Thomas H., 7 West 55th street.
Bur, Emil, 210 Avenue B.
Burgoyne, John W., 74 Eighth avenue.
Butcher, Abraham, 155 Fulton street, Brooklyn.
Butcher, Jacob S., 266 South 1st street, Brooklyn.
Butcher, W. S., 179 Powers st., B'klyn.
Butler, George J., 825 Park ave., B'klyn.
Butler, Thomas, Clinton avenue, Hoboken, N. J.
Butler, Philip J., 827 Park ave., B'klyn.
Byrne, Bernard, 107 Avenue B.
Byrne, Thomas F., 9 Lewis street.
Byrne, Patrick W., 336 Elm street, Newark, N. J.
Byrnes, Michael, 435 Ninth avenue.
Bryson, Alexander, 341 East 9th street.
Bickerton, John, 321 East 26th street.
Cady, Frederick, 140 Chrystie st.
Cahill, James J., 231 East 82d street.
Cahill, James, 2011 Second avenue.
Cahill, Joseph, 2011 Second avenue.
Cahill, Thomas, 657 Eleventh avenue.
Cahill, Patrick, 627 Eleventh avenue.
Cain, John, 600 East 14th street.
Callahan, Patrick J., 335 East 35th st.
Callahan, Timothy A., 247 East 35th st.
Callary, Michael P., 1386 Broadway.
Campbell, Colin, 1163 Second avenue.

HEALTH DEPARTMENT—Journeymen Plumbers—*Continued.*

Campbell, James T., 177 East 120th st.
Campbell, Robert J., 317 East 46th st.
Campbell, William, 107 East 109th st.
Cannon, Thomas, 108 Clinton place.
Carr, Francis, 731 East 9th street.
Carr, Thomas, 38 Cherry street.
Carroll, John, 450 West 51st street.
Carroll, Peter, 300 East 45th street.
Carty, William, 1143 First avenue.
Cartey, Hugh, 783 Seventh avenue.
Cary, Thomas, 121 First avenue.
Carey, James, 59 North Moore street.
Carrick, William, 206 East 57th st.
Carraher, James, 342 East 53d street.
Carrey, P. J., 319 East 117th street.
Carmichael, William, 6 Desbrosses st.
Cassidy, Owen, 202 East 86th street.
Casey, James F., 120 West street.
Casey, John, Jersey City.
Casey, Thomas B., 2253 Third avenue.
Castles, James, 2492 Second avenue.
Caulfield, Charles H., 20 East 24th st.
Caulfield, Edward, 106 East 21st st.
Cavanagh, Martin, 291 First street.
Chase, George W., 107 East 113th st.
Cheeves, Lawrence, 330 West 44th st.
Christie, R., 204 West 146th street.
Church, James, 224 East 76th street.
Clark, Joseph J., 833 Eleventh ave.
Clark, Joseph J., 880 Sixth avenue.
Clark, S. F., 321 East 19th street.
Clark, W. M., 290 South 4th st., B'klyn.
Clark, William M., 69 S. 5th st. B'klyn.
Clarke, Alfred, 20 Bedford street.
Clarke, D., 83d st., bet. 11th & 12th avs.
Clarke, James F., 1057 Third avenue.
Clarke, W. D., 177th st. & Washington av.
Clarkson, John, 743 West 145th street.
Clancy, John, 140 West 19th street.
Cleary, John, 894 Eighth avenue.
Cleary, Michael, 347 East 60th street.
Clements, William, 618 Ninth avenue.
Clerke, Charles, 2181 Third avenue.
Cobb, Frank, 202 Greenwich street.
Coby, Peter J., 532 East 14th street.
Cody, George, 222 East 36th street.
Coffey, James F., 315 First avenue.
Coffey, Patrick, 229 East 75th street.
Collard, John J., 651 Washington street.
Collard, Frank, 651 Washington street.
Cartmel, Jonathan, 226 Sullivan street.
Collins, Edward P., 26 Beaver street.
Collins, J. G., 302 East 122d street.
Collins, John, 514 East 122d street.
Collins, Michael, 44 Oliver street.
Coles, John W., 22 Checver pl., B'klyn.
Colahan, T., 29 Wash'tn av. Elizabeth, N. J
Connolly, Frank, 79 Herbert st., B'klyn.
Connolly, Patrick, 630 Tenth avenue.
Connolly, P. F., 338 East 56th street.
Conley, Peter, 880 Eleventh avenue.
Conlin, Robert W., 322 East 26th street.
Connors, Thomas, 337 East 70th street.
Conners, Thomas, 277 West 60th street.
Conway, J., 130 Broome street.
Conover, Geo. M., 308 East 109th street.
Coniff, William, 746 Tenth avenue.
Conhey, Isaac M., 392 Tenth avenue.
Constance, Theo., 10 Tallman st., B'klyn.
Corbitt, James R., 615 Eleventh avenue.
Corcoran, Michael, 233 East 74th street.
Corcoran, William, 25 Oak street.
Cormellan, James, 566 Lexington avenue.
Cornwall, Frank, 333 East 14th street.
Corr, Thomas, 711 Sixth street.
Cooper, Henry, 219 Varick street.
Costello, John D., 726 Eighth avenue.
Coffey, Nicholas, 2210 Second avenue.
Coyle, Patrick, 999 Second avenue.
Cuddy, John, 300 East 23d street.
Cummings, Patrick, 811 First avenue.
Cunningham, D. J., 188 Butler st., B'klyn
Cunningham, H. J., 232 East 59th st.
Cumisky, L. F., 218 East 47th street.
Curtis, H., 146th street and Willis ave.
Curtin, John, 242 East 55th street.
Curry, William, 971 First avenue.
Cusick, Hugh, 226 West 31st street.
Cronan, Daniel, 137 Washington street.
Crotty, D., 118th st., bet. 4th & Madis'n avs
Crotty, James, 118 Greenwich avenue.
Crow, William G., 294 Sixth avenue.
Crowley, Jeremiah, 123 Worth street.
Crowell, Samuel, Newark, N. J.
Crumbel, William A., 265 William st.
Daly, Frank, 427 Fulton street, B'klyn.
Daly, James, 19th street and 2d avenue.
Daly, John H., 5th ave. and 108th street.
Daly, Owen, 345 East 23d street.
Daily, William, 189 East 117th street.
Darling, Andrew, 436 West 17th street.
Darling, W. R., 322 S. 2d st., B'klyn, E.D.
Davis, L., corner Bowery and Bayard st.
Davies, John, 432 West 35th street.
Deady, Jeremiah J., 2133 Third avenue.
Dean, James, 209 East 40th street.
Deaey, Patrick, 413 West 25th street.
Degraw, Jesse, 851 Eighth avenue.
Deering, Joseph, 78 Broome street.
Deering, Stephen, 456 West 32d street.
Deery, James, 1609 First avenue.
DeLacy, Thomas R., 1258 First avenue.
Delany, Edward, 561 First avenue.
Delany, James, 863 Third avenue.
Delany, John J., 254 West 19th street.
Delany, Thomas C., 436 Park ave., B'klyn.
Delaney, William, 133 Chatham street.
Delaney, William, 444 West 37th street.
Dickinson, Jas. J., West Hoboken, N. J.
Dunlop, Andrew, 178 East 87th street.
Dempsey, R. P., 2187 Second avenue.
Dennenger, Adam, 351 West 29th street.
Dennehy, Timothy M., 351 East 86th st.
Desmond, John, 36 Bayard street.

HEALTH DEPARTMENT—Journeymen Plumbers—*Continued.*

Desormeaux, C., 97 East 8th street.
Delehanty, John J., 221 East 35th st.
Devlin, David, 356 West 36th street.
Devlin, James, 433 West 33d street.
Devine, John, 209 North 5th st., B'klyn.
Devine, Matthew, 331 East 59th street.
Devine, Luke, 238 East 54th street.
Devitt, John J., 209 East 74th street.
Dick, Charles, 89 Cranberry st., B'klyn.
Dickson, A. F., 312 Atlantic ave., B'klyn.
Dinan, Edward H. E., 125 Henry street.
Dinnen, James, 227 East 29th street.
Dinan, Thomas, 31 Hamilton street.
Dimond, James H., 440 West 29th st.
Doherty, P. C., 84 Chatham street.
Dolan, Alexander, 96 East 7th street.
Dollard, Thomas, 308 Lexington ave.
Donnelly, James W., 2105 Second ave.
Donnelly, William, 502 West 39th st.
Donovan, John, 17 Monitor st., B'klyn.
Donegan, Roger F., 130 Avenue C.
Donaghy, J. S., 181 Waverly ave., B'klyn.
Dooley, John T., 138 West 52d street.
Dorn, George, 203 Seventh street.
Dorney, Maurice, 49 Oliver street.
Doran, Charles J., 171 East 123d street.
Dorman, J. H., 269 Herkimer st., B'klyn.
Dorgan, W. H., 392 Union st., Jersey City.
Dougherty, John, 539 East 13th street.
Dougherty, Thomas, 976 Eighth avenue.
Dougherty, William, 519 West 43d st.
Douglas, George, 148 West 24th street.
Downes, Thomas F., 345 West 43d st.
Downey, Joseph, 51 Pike street.
Dowling, Joseph, 219 Avenue B.
Doyle, P. T., 120 Flushing ave., B'klyn.
Doyle, Thomas F., 329 East 37th street.
Duignan, Patrick J., 221 East 35th st.
Duffy, Henry, 596 Eleventh avenue.
Duffy, Joseph, 307 First avenue.
Dugan, Philip, 519 East 13th street.
Dugan, L., 232 Greenwich street.
Dunn, James, 305 East 24th street.
Dunn, Thomas C., 15 Stuyvesant st.
Dunn, Thomas J., 515 East 13th street.
Duncan, J. R., 42 Gordon st., Hob'ken, N.J
Dunelow, Jesse, 519 West 42d street.
Driscoll, Denis, 185 India st., Greenpoint
Dwyer, John H., 602 Ninth avenue.
Earl, Wm., 1303 Myrtle ave., Brooklyn.
Eagleson, John E., 1669 Third avenue.
Edwards, William, 139 West 50th street.
Egan, L. E., 1415 Second avenue.
Egan, Michael, 362 West 25th street.
Ehrhart, Ferdinand, 248 First avenue.
Elliott, William, 236 East 54th street.
Elliott, Robert, 8 West 101st street.
Ellis, Henry S., 440 East 81st street.
Ennever, Robert, 853 Tenth avenue.
Ennever, Henry, 61 Tenth avenue.
Ennis, James H., 453 West 19th street.
Erwin, Mark J., 323 East 24th street.
Evans, John, 685 Third avenue.
Fagan, James, 332 East 35th street.
Fagan, Thomas, 435 West 34th street.
Fagan, Matthew, 221 East 29th street.
Fahy, James E., 161 East 23d street.
Fallon, T. F., 51st street, near 8th ave.
Fallon, John, 425 East 15th street.
Fallon, John, 158 West 52d street.
Fallon, James, 204 East 6th street.
Falvey, John, 309 East 45th street.
Farrell, Edward, 168 Mulberry street.
Farrell, Henry, 304 East 123d street.
Farrell, John J., 656 Tenth avenue.
Farrell, Richard, 615 West 46th street.
Farran, John, 196 Grand street.
Farmer, Alexander J., 516 West 51st st.
Farson, George, 533 West 50th st.
Fath, John, 446 West 52d street.
Faulkner, William, 4 Bank street.
Faulkner, James, 340 East 66th street.
Fecher, Jacob A., 531 West 45th street.
Feeny, John, 305 East 23d street.
Feery, Michael, 160 East 29th street.
Ferris, William, 356 Tenth avenue.
Ferrell, James, 516 West 52d street.
Finn, Patrick, 344 West 17th street.
Finn, James J., 420 West 40th street.
Finegan, Jas. H., 148th st., near 4th ave.
Finnegan, John, 31 Park street.
Finnegan, James B., 131 West 19th st.
Firehock, T., 36 Thorn st., J.C. Heights.
Fisher, John H., 29 Nassau street.
Fisher, Robert H. B., 366 West 17th st.
Fitzpatrick, Dennis, 109 Jackson street, Brooklyn, E. D.
Fitzpatrick, James L., 636 Third ave.
Fitzgerald, R., 140th st., near 3d ave.
Flanagan, John, 315 East 24th street.
Flanagan, Joseph, 247 West 53d street.
Flanly, Edw. F., 32 Scammel st., B'klyn.
Fleming, Joseph, 117 Monroe street.
Flood, George W., 966 Third avenue.
Flock, C. A., Jr., 971 First avenue.
Fluhr, George P., 772 Second avenue.
Flynn, Richard, 378 East 10th street.
Foley, James, 223 East 78th street.
Foley, Thomas, 83 King.
Forlees, James, 507 East 29th street.
Forster, Francis, 157 East 51st street.
Foster, James, 157 East 51st street.
Forrestall, Michael, 303 East 21st st.
Foster, Benjamin, 500 Tenth avenue.
Fowler, R., 242 First st., Hoboken, N. J.
Fowler, Wm., 242 1st st., Hoboken, N.J.
Frost, John, 464 West 25th street.
Frost, Patrick W., 544 West 41st street.
Frederick, Charles, 977 First avenue.
Fullen, James, 4 Bank street.
Gaffney, James, 304 East 26th street.
Gaffney, James, 2254 Second avenue.
Gaffney, Terence F., 96 East 7th street.
Gaffney, Patrick, 96 East 7th street.

HEALTH DEPARTMENT—Journeymen Plumbers—*Continued.*

Galvin, George, 236 West 10th street.
Gay, James, 1286 Broadway.
Gallagher, Edward, 81 Gold street.
Gallagher, E. P., 364 East 72d street.
Gallagher, James J., 526 East 14th st.
Gallagher, John, 717 Seventh avenue.
Gallivan, John, 30 Greenwich avenue.
Gambling, John H., 420 West 47th st.
Gamble, Wm., 207 Park ave., Brooklyn.
Garvy, James, 15 City Hall place.
Ganun, James, 243 East 47th street.
Gault, Matthew, Webster av., Yonkers.
Gardiner, Clarence A., 305 East 34th st.
Garton, Luke, 236 East 59th street.
Gardner, Westfall M., 911 Sixth avenue.
Gaynor, Thomas F., 155 West 33d st.
Gaynor, Daniel J., 437 West 39th street.
Geary, Michael, 206 Henry street.
Geoghegan, Thomas J., 11 Crosby street.
Gerety, John, 1398 Second avenue.
Gately, Thomas, 70 Vandam street.
Gerety, Thomas, 1398 Second avenue.
Gerlach, August, 25 Montgomery street.
Germond, Levi, 314 East 122d street.
Gibson, William B., 60 Division street.
Gilligan, Edmond F., 135 Ninth avenue.
Gilligan, Luke, 125 Mulberry street.
Gilligan, Thomas, 367 East 76th street.
Glase, William, 213 West 28th street.
Gleeson, Dennis M., 433 East 18th street.
Gillen, John T., 426 West 58th street.
Gillespie, Thomas F., 2246 First avenue.
Gilson, Frank A., 97 Fourth avenue.
Gill, John, 164 West 53d street.
Gilbertson, John, 17 Sullivan street.
Gilson, John, 837 Eleventh avenue.
Guinea, John, 745 East 9th street.
Guinan, Michael, 228 East 76th street.
Guinney, Thomas, 340 East 16th street.
Guihan, John J., 113 Charlton street.
Good, Edward, 1010 Madison avenue.
Goetze, Henry, 379 Broome street.
Gorman, Bernard J., 1296 Third avenue.
Gormley, Timothy D., 1562 Third ave.
Gormley, Edward V., 237 East 29th st.
Gould, George, 145th street, near 3d ave.
Graff, Christian, 189 East 71st street.
Graham, James, 358 West 49th street.
Graham, F., n.e. cor. 67th st.& 10th ave.
Grant, M., 120 Flushing ave., B'klyn.
Gray, William H., 2388 First avenue.
Green, Joseph, 244 East 30th street.
Greene, John Francis, 402 East 114th st.
Green, Michael, 474 West 28th street.
Greene, Patrick, 153 East 43d street.
Greene, William M., 401 West 37th st.
Greer, William, 219 West 36th street.
Grier, William H., 195 Washington st.
Grimes, Charles J., 113 Mott street.
Gnauth, Enoch, 335 East 54th street.
Grogan, John W., 398 Bleecker street.
Groves, Robert, 336 East 23d street.
Guy, James, 1286 Broadway.
Guyre, Eugene F., 298 West 12th street.
Gunthert, John C., 223 East 59th street.
Gomm, Napoleon, 432 West 37th street.
Hegeney, Patrick J., 519 East 13th st.
Hagerty, William B., 130 East 112th st.
Haggerty, Denis, 309 West 16th street.
Holloran, John F., 159 East 39th street.
Hall, Frank, 39 Willow place.
Halliek, James, 144th st., near 3d ave.
Halloek, John W., 2374 Fourth avenue.
Haley, Michael, 11 Crosby street.
Halpin, Thomas, 161 East 119th street.
Halpin, Thomas P., 408 East 114th st.
Hallenbeek, G. W., Jr., 677 Water st.
Hammann, Frederick, 41 East 133d st.
Hamman, John A., 425 East 123d st.
Hamma, William, 195 Second street.
Hammel, Frederick A., 332 First ave.
Hamill, John H., 340 West 11th street.
Hannon, Daniel, 84 Fourth street.
Hannegan, James T., 170 West 32d st.
Harrigan, James C., 335 East 27th st.
Hannegan, John J., 170 West 32d st.
Hamelton, Joseph, 339 West 43d street.
Hatfield, George W., Morris or 177th st.
Hayes, Thomas, Avondale, N. J.
Hays, John, 204th street, Inwood, N. Y.
Hanley, Bartholomeau, 52 West 32d st.
Hanley, Thomas, 8 Clinton place.
Hanson, John S., 36 Goerek street.
Hart, Henry J., 348 Washington street.
Hart, Michael, 588 Broome street.
Hartigan, Patrick, 1333 Third avenue.
Handouer, Jas., 87 Fleet place, B'klyn.
Harper, Walter, 584 Pacific st., B'klyn.
Harvey, George, 436 Sixth avenue.
Harrington, Timothy, 147 Leonard st.
Hariekey, Thomas, 701 East 12th street.
Heany, George, 1414 Third avenue.
Hearn, William J., 472 Fourth avenue.
Held, August, 412 West 44th street.
Healien, James A., 320 East 45th street.
Heim, Adolph R., 617 East 6th street.
Heim, J.H.,202 Cambridge av.,J.C.Hgts
Henry, Daniel F., 155 East 52d street.
Henderson, Robert, 247 West 49th st.
Henderson, John, 300 West 52d street.
Henningson, John, 116 Third avenue.
Henig, John, 220 Wooster street.
Henderson, William, 300 West 52d street.
Heatherly, Thomas, 226 W. Houston st.
Hetherton,T. R.,20 Richmond st., New'k
Heman, Michael F., 221 West 27th st.
Hosch, George, 87 Essex street.
Hilly, Joseph, 338 Bleecker street.
Healion, Hugh J., 320 East 45th street.
Hewitt, William, Hunter's Point.
Higgins, Francis, 335 East 28th street.
Hill, William, 322 East 56th street.
Himmelsbach, Robert, 70 Willett street.
Hinds, William John, 59 Downing street.

Hogan, E. J., 151 Wooster street.
Holden, H., 160 Ainslie st., B'lyn, E.D.
Hollenstein, Joseph, 241 East 75th st.
Howard, James, 123 New Church street
Hommill, William, 770 Second avenue.
Hoare, Edward, 365 Ewen st., Brooklyn.
Horricks, Joseph, 351 West 35th street.
Hughes, Charles, 358 West 25th street.
Huggarth, William, 417 Tenth avenue.
Hunter, William A., 505 West 49th st.
Huston, Adam, 616 Eleventh avenue.
Hutchison, John T., 940 Eighth avenue
Hutchison, James, 268 West 11th street.
Hutchison, W., 78 Vernon ave., L.I.City.
Hutchings, W. P., 42 East 162d street.
Irvin, Arthur, 1326 Third avenue.
Irvin, Charles, 1274 Third avenue.
Irwin, J., 132 W'st B'dway, cor. Beach st.
Ismay, Charles, 740 Second avenue.
Inglis, Wm. M., 328 Hudson av. B'klyn.
Ivans, T. J., 62 Broome street.
Judge, John, 2232 Second avenue.
Jackson, William D., 709 Sixth avenue.
Jahnes, A., 693 Sixth avenue.
Jones, John J., 227 East 35th street.
Johnston, T. E., 400 Tenth avenue.
Julig, William J., 405 East 29th street.
Kane, Peter, 167 Seventh avenue.
Katon, John, 509 West 19th street.
Keefe, Michael O., 115 West 19th street.
Keelon, Thomas, 314 Avenue A.
Keeyan, Richard, Central avenue.
Kehoe, Daniel, 81 Monroe street.
Kehoe, John J., 817 Second avenue.
Kehoe, Owen, 61 Willett street.
Kiernan, Peter, 279 Third avenue.
Keller, John, 317 East 9th street.
Kelley, Bernard, 340 East 12th street.
Kelley, John T., 326 Bleecker street.
Kelley, Michael, 114 Bleecker street.
Kelley, Richard, 205 East 29th street.
Kelly, Daniel, 133 East 15th street.
Kelly, Duncan, 74 Sixth st., Brooklyn.
Kelly, Edward, 48 West 9th street.
Kelly, James, 827 Second avenue.
Kelly, John, 101 Broad street.
Kelly, John, 593 Second avenue.
Kelly, John J., 113 Charlton street.
Kelly, John J., 212 East 73d street.
Kelly, Joseph, Stapleton, S. I.
Kelly, Michael, 325 East 60th street.
Kelly, P.M., 520 West 42d street.
Kelly, Patrick, 593 Second avenue.
Kelly, Thomas, 152 West 37th street.
Kelly, Thomas, 506 East 17th street.
Kelly, William, 243 Madison street.
Kenney, Thomas F., 303 East 21st street.
Kennedy, William A., 215 East 118th st.
Kennedy, David, 1248 First avenue.
Kennedy, Thomas E., 47 Christopher st.
Kennedy, William J., 447½ West 17th st.
Kerrins, Frank, 229 West 27th street.
Kiernan, Frank, 335 East 37th street.
Kiernan, John, 795 Seventh avenue.
Kildare, Frank, 165 East 59th street.
Kildare, James L., 165 East 59th street.
Killian, Terance, 341 East 70th street.
Kincade, John, 345½ West 17th street.
Kincaird, Robert, 339 West 4th street.
Kinlen, Thomas, 149 West 33d street.
Kinleyside, Alexander, 245 East 28th st.
Kinsella, Bartho. T., 431 East 14th st.
Kirby, Daniel T., 232 East 59th street.
Kirchof, William, 1665 First avenue.
Kirchmer, John, 256 Avenue A.
Kirkwood, J., 222 Eckford st., Greenp'nt.
Kirkwood, James, 263 Ninth avenue.
Kirkwood, William, 1847 Third avenue.
Kitts, Thomas H., 325 East 105th street.
Krensser, J., 175 Eldridge street.
Knight, James P., 1384 Broadway.
Knowd, John, 226 West 37th st.
Knowles, A., 302 East 14th street.
Kugel, George, 145 West Broadway.
Kung, Jacob, 351 East 53d street.
LaFarge, L. B., 352 East 125th street.
LaForest, George E., 145th st., between Willis and Brook avenues.
Lahey, Joseph, 413 West 26th street.
Lahey, Robert, 218 East 55th street.
Lalor, John A., 407 East 119th street.
Lambrecht, Christian J., 952 First ave.
Lang, Charles, 426 Third avenue.
Lang, Cornelius, 405 East 112th street.
Langford, John, 398 East 51st street.
Laurie, Charles M., 510 East 13th street.
Lackie, George M., 102 East 108th st.
Laverty, Francis R., 424 West 29th st.
Law, Henry, 138 Eighth avenue.
Law, Robert, 424 Hudson street.
Lawes, Henry, 403 Fifth avenue.
Lawless, P. J., 1213 3d ave., cor. 70th st.
Lawrence, William, 32 Horatio street.
Leahy, Michael H., 41 East 90th street.
Leahy, Thomas, 1606 Second avenue.
Leavy, Edward, 210 Rivington street.
Leavy, Michael, 39 Sheriff street.
Leadbeater, Geo., 632 Halsey st., B'klyn.
Lehman, William, 352 Court st., B'klyn.
Lee, Robert E., 553 Eighth avenue.
Lennon, Joseph, 42 Pike street.
Lennon, John A., 369 Baltic st., B'klyn.
Lennihan, Charles J., 1445 Park ave.
Liggins, George, 300 West 20th street.
Linke, Theodore T., 304 West 20th st.
Linehan, Patrick, 111 Mulberry street.
Lister, Henry, 324 West 40th street.
Little, William R., 192 Rose street.
Lloyd, Henry, 414 West 36th street.
Lockwood, George, 7 Clark street.
Loughlin, Frederick, 27 First avenue.
Loughery, John J., 341½ West 41st st.
Loughran, Patrick J., 310 East 46th st.
Laughmore, Robert, 169 East 117th st.
Lowe, John, 223 East 28th street.
Lowerre, Chas. H., 161st st., Morrisania.

Lundy, Lawrence F., 227 East 74th st.
Lutz, Ernest, 600 West 52d street.
Lexford, Charles E., 93 Perry street.
Lynch, James J., 106 East 19th street.
Lynch, John J., 741 Washington street.
Lyons, William F., 118 West 18th st.
Lyons, Thos., Ogden ave. and Union st.
Lynan, William, 1654 Second avenue.
McGuire, J., 433 East 112th street, First avenue and 115th street.
McArdle, George F., 1984 Third avenue.
McAleese, William, 341½ West 41st st.
McAlear, James, 532 Grand street.
McAuly, John, 203 West 30th street.
McBride, Thomas, 418 East 78th street.
McCabe, Edward, 243 East 36th street.
McCabe, Michael, 201 West 16th street.
McCade, John, 27 Chauncey st., B'klyn.
McCall, Philip, Henry street.
McCarron, Thos., 32 East 125th street.
McCarthy, Jerry, 118th street, between Fourth and Madison avenues.
McCarthy, John, 118th street, between Fourth and Madison avenues.
McCarthy, John, 423 East 18th street.
McCarthy, William, 348 East 19th street.
McCready, Hugh, 49 Downing street.
McCormack, Joseph, 403 East 78th st.
McCormick, James, 2394 Eighth avenue.
McConnell, John, 414 East 82d street.
McCollough, John, 309 West 44th street.
McDermott, Tremont, 24th Ward.
McDicken, John, 274 Pearl street.
McDonald, John, 847 Third avenue.
McDonald, William, 234 West 31st st.
McDonaugh, M.F., cor.141st st.& 8th av.
McDonough, Thomas, 459 West 26th st.
McDonough, William, 20½ Desbrosses st.
McDowell, Robert, 131 West 28th street.
McElvainy, Charles, 307 East 24th street.
McEnroe, Pat'k, 239 N. 6th st., B'klyn.
McEwan, M. J., Fourth avenue, between 168th and 169th streets.
McFarlan, W., 301 East 27th street.
McFarlan, 395 Grand street, Brooklyn.
McGrath, M. E., 301 East 28th street.
McGinley, James, 179 Varick street.
McGinn, Michael, 359 East 20th street.
McGuiness, Edward, 421 West 32d street.
McGuinness, James F., 324 W. 15th st.
McGovern, J. E., 279 East 10th street.
McGowan, William, 732 Eleventh ave.
McGuire, Hugh, 412 West 56th street.
McGuire, Joseph, 192 Sands st., B'klyn.
McGuire, J., 433 East 112th street.
McGuire, Peter, 254 West 41st street.
McGill, John E., 304 Henry street.
McHugh, Jeremiah, 158 First street.
McKenna, Andrew, 350 East 54th street.
McKenna, James F., 93 Division street.
McKenna, John A., 107 East 46th street.
McKenzie, Andrew, 29 King street.
McKenzie, F. L., 405 West 26th street.
McKeon, John, 889 Third avenue.
McKee, Edward, 730 Second avenue.
McKetrick, John, 841 Third avenue.
McLellan, C., Flushing, L. I.
McMahon, Francis, Madison avenue, between 146th and 147th streets.
McMahon, James, 78 Wooster street.
McMahon, John T., 312 East 12th street.
McMahon, William, 49 Pitt street.
McMenomy, John, 321 Third avenue.
McNair, Wm., 47 Meeker ave., B'klyn.
McNevin, Wm. C., 211 East 73d street.
McMurray, David, 232 S. 5th st., B'klyn.
McNamara, John, 228 East 76th street.
McNamara, James, 543 East 11th street.
McInnes, D., 244½ Seventh street.
McQuillen, G. F., 270 West 11th street.
McQueston, Charles, 355 West 17th st.
McQueston, James, 247 West 17th street.
Macdonald, Charles, 741 Washington st.
Macfadden, William A., 432 W. 42d st.
Maguire, John, 350 West 25th street.
Maguire, Michael, 1052 Third avenue.
Madden, John, 327 East 29th street.
Madden, John, 320 Third avenue.
Mahon, James, 200 First avenue.
Maher, John, 428 East 9th street.
Mahaney, James F., 638 Washington st.
Mahany, Edward, 309 East 11th street.
Maher, Michael, 95 Ludlow street.
Maher, John, 321 East 59th street.
Maher, Thomas F., 426 Second avenue.
Martland, Edward, 868 Madison avenue.
Malloy, James, 435 West 32d street.
Mangam, Charles, 256 West 31st street.
Mandelbaum, Louis, 97 Attorney street.
Maples, Fred, 235 West 30th street.
Mathews, Daniel J., 234 East 111th st.
Martin, George W., 326 East 37th street.
Martin, John, Metropolitan Hotel.
Martin, Joseph, 850 Eighth avenue.
Martin, William, 1317 Second avenue.
Martin, John J., 803 Sixth avenue.
Markey, John, 117 Clinton street.
Marz, William, 112 East 130th street.
Maslin, Joseph S., 38 Leroy street.
Masterson, John F., 313 East 37th st.
Mayerhofer, E. H., 233 E. Houston st.
Mayer, John V., Jr., 32 Avenue A.
Mead, Darius, 77 West 55th street.
Meade, William, 201 First avenue.
Meany, John, 201 East 107th street.
Meek, Harry H., 201 East 62d street.
Melloe, James, 234 West 16th street.
Meehan, John P., 321 East 37th st.
Meany, William J., 321 East 109th st.
Merz, Charles, 422 West 39th street.
Mercer, Laurence, 873 Eighth avenue.
Meldowny, G.M., 192 7th st., Bklyn, E.D.
Meyer, Conrad, 40 Bond street.
Metz, Charles, 831 Eleventh avenue.
Mills, Andrew C., 184 East 109th st.
Mills, Theodore, 2115 Second avenue.

Miller, Arch., 65 South st., Jersey City.
Miller, F. W., 144th st., near Third ave.
Miller, William J., 2350 Second avenue.
Miller, W. F., 670 Third avenue.
Milligan, John D., 742 Third avenue.
Menton, John, 80th st., near Third ave.
Mix, Theodore, 246 East 27th street.
Moore, E. H., 239 Montgomery st., J. C.
Moore, Michael, 1492 Second avenue.
Moore, Richard, 139 West 33d street.
Mooney, R J., 83 Bruce st., Newark.
Mooney, Thomas A., 244 East 79th st.
Moloney, Michael, 210 East 46th street.
Monaghan, Francis, 133 Reade street.
Monaghan, John, 446 West 29th street.
Monaghan, Pat., 106th st., 2d & 3d aves.
Morse, Joseph, 130 East 12th street.
Morrow, John C., 481 Third avenue.
Mountain, James, 260 Monroe street.
Morton, William, 844 Eighth avenue.
Monks, William, 738 East 9th street.
Morrison, John, 549 Ninth avenue.
Morrison, Robert, 435 Ninth avenue.
Maser, John P., 325 145th street.
Monteath, W. G., 95 Clinton place.
Montgomery, Archibald, 9 East 3d st.
Muylan, Michael, 688 Second avenue.
Moyer, S., 80 South 5th avenue.
Mullan, Oliver M., 868 Seventh avenue.
Mullen, Michael, 101 Eldridge street.
Muller, Jacob, 153 Norfolk street.
Muller, R., 136 Cherry street.
Muller, Robert, 136 Chrystie street.
Mullen, John, 3 Thompson street.
Mulvey, James, 607 East 16th street.
Mulhearn, L. T., 111 Fleet pl., B'klyn.
Mulhern, Pat., 380 Oakland st., Greenp't.
Mulholland, Henry, Jr., 239 Ninth ave.
Mullarkey, J. D., 424 West 29th st.
Meier, Frank H., 222 Avenue B.
Muir, John, 13 Bank street.
Muir, Adam, 235 West 31st street.
Mulligan, James, 42 Spring street.
Mulligan, Owen, 333 East 29th street.
Murray, Edward F., 346 West 36th st.
Murray, Thomas F., 321 East 19th st.
Murray, T. J., 210 East 81st street.
Murphy, D. J., 518 Lexington avenue.
Murphy, Edward, 148 East 5th street.
Murphy, H. J., 141st st. & College ave.
Murphy, Joseph, 76 West 36th street.
Murphy, James, 401 West 40th street.
Murphy, Patrick, 128 Jay st., Brooklyn.
Murphy, Thomas, 59 Henry street.
Murphy, William F., 50 Henry street.
Murtha, Thomas, 38 First avenue.
Nagle, Frederick, 247 West 35th street.
Napier, David, 858 Third avenue.
Napier, James, 212 East 36th street.
Naughton, James W., 337 East 37th st.
Nolan, Joseph, 101 Broad street.
Naven, Samuel, 51 Oak street.
Newstead, Thomas, 675 Third avenue.
Newsam, Wm. P., 141 Luqueer st., B'klyn.
Newman, James, 2061 Third avenue.
Newman, Joseph, 119 Avenue D.
Newman, John F., 216 East 74th st.
Nicke, Christian, 127 Clinton street.
Niton, James M., 1321 Park avenue.
Noonan, Denis, 306 East 60th street.
Neill, John, 111 Perry street.
Nutley, Patrick H., 246 East 23d st.
O'Brien, Charles D., 1191 Broadway.
O'Brien, Daniel J., 148 East 42d st.
O'Brien, James, 219 West 15th street.
O'Brien, Joseph, 181 Varick street.
O'Brien, John, 331 East 59th street.
O'Brien, Michael J., 204 East 104th st.
O'Connor, C. J., 415 Monmouth st., J.C.
O'Connor, Thomas F., 548 Tenth ave.
O'Connell, John, 343 East 25th street.
O'Keefe, Michael J., 102 Mott street.
O'Mahony, Cornelius, 246 West 19th st.
O'Mahony, Denis, 421 West 17th street.
O'Neil, John, Greenville, N. J.
O'Neil, John, 329 East 28th street.
O'Rourke, James, 303 East 21st street.
O'Shaughnessy, David, 90 Henry street.
Ogg, William J., 281 Mulberry street.
Olwell, Patrick, 227 East 74th street.
Olwell, M. F., 307 Pearl street.
Opel, Chris., 444 West 36th street.
Owens, Thomas, 53 Pitt street.
Owens, W. G., 10th ave., 73d & 74th sts.
Palm, Albert, 334 East 60th street.
Palmer, James S., 710 Seventh avenue.
Parker, Charles W., 165 Elm street.
Paterson, George M., 455 Fourth ave.
Paterson, James W., 335 East 114th st.
Paterson, John B., 335 East 114th st.
Patterson, Alexander, 517 West 24th st.
Patterson, John T., 578 Ninth avenue.
Pattison, John G., 168 East 38th street.
Pambke, James T., 140 Washington st.
Pentland, Robert, 445 West 50th street.
Phelan, Michael F., 296 Seventh avenue.
Phelan, James, 313 East 114th street.
Phelan, Patrick, 855 Ninth avenue.
Philban, Richard, 540 Third avenue.
Pickett, Wm., E. 72d st. and Boulevard.
Pienoni, Edward E., 4 Jones street.
Player, John, 45 Broad street.
Plumley, George, 6th avenue and 26th st.
Prendergast, E., 163 Huntington st., Bk'n
Price, W. D., 1428 Broadway.
Proiz, James, 239 East 59th street.
Printy, John, 166 Hoyt street, Brooklyn.
Pringle, John, 106 Perry street.
Pruntz, John T., 461 Fifth avenue.
Purcell, Robert, 302 East 73d street.
Purcell, Thomas F., 302 East 73d street.
Purcell, William J., 518 West 28th st.
Quick, Frederick, 917 West 28th street.
Quigley, Anthony, 228 West 35th street.
Quigley, Edward, 2234 Second avenue.
Quigley, John J., 433 West 39th street.

Quigley, James, 327 West 17th street.
Quin, Joseph P., 12 Dominick street.
Quin, Joseph P., Jr., 16 West 9th st.
Quin, William G., 971 Sixth avenue.
Quinn, Owen M., 892 Third avenue.
Quinn, Thomas, 135 Baxter street.
Rabe, William, 199 Avenue B.
Reihle, Frederick, 618 East 11th street.
Rafferty, Edward, 726 Ninth avenue.
Rankin, James M., 416 West 41st street.
Reardon, Eugene, 351 Smith st., B'klyn.
Reardon, John, 637 East Ninth street.
Redmond, Joseph, 20 East 65th street.
Reddy, Richard, 237 East 74th street.
Regan, Daniel A., 328 East 33d street.
Regan, Thomas H., 441 West 51st street.
Reilly, Bernard, 312 East 31st street.
Reilly, Edward, 362 4th st., W'msburg.
Reilly, John, 336 Water street.
Reilly, James, 1260 First avenue.
Reilly, Philip, 2133 Third avenue.
Reilly, Patrick, 443 West 54th street.
Reining, William, 101 Eldridge street.
Reimuth, Christopher, 345 East 46th st.
Reynolds, Christy, 920 Second avenue.
Reynolds, J., 920 Second avenue.
Reynolds, Michael, 145 West 35th street.
Reville, Martin, 621 East 6th street.
Rhodes, William, Jr., 349 East 114th st.
Richards, Edward, 333 West 16th street.
Riddell, John J., 404 West 45th street.
Rieley, Edward, 203 East 40th street.
Rieley, John, 153 East 43d street.
Ring, Michael, 306 East 60th street.
Riordon, Stephen F., East Newark, N. J.
Ritchie, David, 156 Eighth avenue.
Robinson, Thomas, 220 Madison street.
Rogers, Daniel, 425 West 56th street.
Rogers, James, 425 West 56th street.
Rogers, John, 596 Ninth avenue.
Roeder, John, 22 Boerum st., B'klyn, E.D.
Roos, Charles, 135 Avenue A.
Rose, William A., 154 East 121st street.
Ross, George J., 238 East 74th street.
Roth, Conrad, 360 West 45th street.
Roth, Henry A., 76 Stanton street.
Russell, John, 60 Stockholm st., B'klyn.
Ryan, Anthony J., 163 East 114th street.
Ryan, George, 349 East 114th street.
Ryan, John J., 322 West 42d street.
Ryan, James J., 363 West 30th street.
Ryan, James, 91st street.
Ryan, Michael, 445 West 17th street.
Ryan, Michael, 1056 First avenue.
Ryan, Michael, 91st st., bet. 1st & 2d avs.
Ryan, Thomas F., 1723 Third avenue.
Ryan, Thomas J., 744 Second avenue.
Ryan, Thomas P., 838 Seventh avenue.
Ryan, Timothy L., 555 West 51st street.
Ryder, Patrick, 166 Varick street.
Rylands, P., 9 Dominick street.
Sanders, John, 439 West 28th street.
Savage, Arthur, 100th st. and Ninth ave.
Schaaf, John A., 82 Willett street.
Schaefer, Joseph, 83 East 2d street.
Scholl, Daniel, Jr., 415 West 18th st.
Schmid, F., 274 Stanton street.
Schimpf, Frank F., 254 West 20th street.
Schlesser, Charles, 1030 Second avenue.
Scrimgeour, A., 441 Fifth ave., B'klyn.
Schmale, C. F., 9 Charlton street.
Schumagel, John H., 116 William street.
Schweitzer, Adam, 650 First avenue.
Schaab, Benjamin, 962 Third avenue.
Schweikert, P., 1378 Third avenue.
Schorck, Albert, 44 Renwick street.
Scott, Philip P., Stuyvesant street.
Secor, F., 437 East 10th street.
Sexton, James E., 1114 Second avenue.
Sexton, John, 179 East 78th street.
Shannon, Edward L., 575 Third avenue.
Shannon, Michael, 313 East 77th street.
Shatz, William, 220 Delancey street.
Shapley, George, 9 Essex street.
Sheenan, William J., 288 Third avenue.
Shields, John K., 104 Lewis street.
Sheridan, Charles P., 340 First avenue.
Sheridan, F., 114 Bridge st., Brooklyn.
Sheridan, Patrick H., 435 West 41st st.
Sigmont, Otto, 96th st. and Ninth ave.
Simpson, George, 31½ Carmine street.
Simpson, John E., 331 East 79th street.
Simpson, William W., 2115 Second ave.
Simons, Frederick, 134 Allen street.
Sirey, Charles J., 244 Pearl st., B'klyn.
Skallon, Edward T., 738 Tenth avenue.
Skallon, James, 738 Tenth avenue.
Skahan, Thomas F., 1070 Third avenue.
Slattery, Thomas, 269 East Broadway.
Slott, Cornelius, 145th st. & Ninth ave.
Slow, William, 68 West Houston street.
Smale, William T., 406 West 24th street.
Smiley, H. J., 11 Debevoise st., B'klyn.
Smison, James, 64 Fifth street, Hoboken.
Smith, Charles R., 438 West 25th street.
Smith, Charles J., 408 East 114th street.
Smith, Frederick, 539 East 37th street.
Smith, James, 507 West 38th street.
Smith, James, 327 West 36th street.
Smith, James, 99 Varick street.
Smith, John, 513 West 29th street.
Smith, John, 183 East 79th street.
Smith, John J., 1358 Third avenue.
Smith, John M., Third ave. & 140th st.
Smith, John H., 317 West 39th street.
Smith, Nicholas, 303 East 11th street.
Smith, Thomas, 314 East 34th street.
Smith, Thomas, 248 East 44th street.
Smith, Terence, 740 Second avenue.
Smith, Wm. H., Broadway and 125th st.
Smith, Washington E., 137 Ninth ave.
Smith, Albert R., 308 East 74th street.
Sollheim, Charles, 500 East 14th street.
Somerville, George, 408 West 18th street.
Spelman, William H., 1445 Park avenue.
Spear, Barney, 216 East 74th street.

Staepoole, 250 Division avenue, B'klyn.
Stanton, John J., 179 West Houston st.
Stanton, Wm. C., 112 2d st., Hoboken.
Starck, John C., 334 East 66th street.
Steel, Richard, 49 Tiffany place.
Steele, G., Jr., 3d av., bet. 139th & 140th sts
Steele, H.J., 3d av., bet. 139th & 140th sts
Steele, John, 140th st. and College ave.
Steele, William, 653 Hudson street.
Steger, Joseph E., 109 Norfolk street.
Steinhoff, Henry, 171 East 123d street.
Stevens, T. H., 213 Eckford st., Greenp't.
Stewart, Henry D., 193 Holladay st., J.C.
Stewart, Thomas H., 637 Eleventh ave.
Stewart, John J., 57 East 132d street.
Stewart, Wm. R., 57 East 132d street.
Stont, George A., 285 Elizabeth street.
Stoeber, J., 146th and 147th st. & 3d ave.
Stuart, James B., 211 East 29th street.
Struthers, James, New Brighton, S. I.
Sullivan, David, 1678 Third avenue.
Sullivan, Eugene I., 18 Market street.
Sullivan, James J., 510 East 13th street.
Sullivan, John E., 84 Sheriff street.
Sullivan, John, 210 East 26th street.
Sullivan, Michael J., 642 East 9th street.
Sutphin, Jas. G., 82 Norman av., B'klyn.
Swain, Samuel, 332 West 26th street.
Swain, Thomas, 223 West 31st street.
Sweetman, James, 547 West 48th street.
Tarrant, George, 24 Cherry street.
Taxter, Joseph, Yonkers.
Tenner, John, 139 Provost street., J. C.
Thomas, Frank, 544 Second avenue.
Thompson, David, 133 West 53d street.
Thompson, John, 801 Sixth avenue.
Thrush, Richard, 895 First avenue.
Tierney, Andrew, 1054 Third avenue.
Tierney, James, 337 East 52d street.
Tilley, William, Van Dyke House.
Tobin, John A., 691 Broadway.
Todd, W., Jr., 64 Waverly st., J.C. H'gts.
Topping, W. H., 352 Baltie st., B'klyn.
Tracy, John C., 334 East 60th street.
Tragesen, George, 143 West 31st street.
Trainor, Frank, 115 West 29th street.
Trainor, Philip F., 115 West 29th street.
Trainor, Samuel J., 234 East 40th street.
Travers, John, Jr., 317 East 24th street.
Tubridy, John, 2350 Second avenue.
Tucker, John, 138 East 43d street.
Tucker, Patrick J., 447 West 54th street.
Tucker, Robert J., 447 West 54th street.
Turner, John T., 226 Sullivan street.
Turner, Louis F., 20 Madison street.
Turner, Wm., Jefferson av., J. C. Heights.
Tytler, William, 226 West 16th street.
Valentine, C., 62 Ten Eyck st., B'klyn.
Van Brunt, Albert C., Blackwell's Island.
Van Duzer, James A., 55 Columbia st.
Van Tine, Arch., 332 Bleeeker street.
Verdon, William, 172 Bay street, J. C.
Vellenoweth, T. H., 403 West 42d street.
Vezina, John, 19 Sixth avenue.
Victors, Peter, 196 S. 2d st., B'klyn, E.D.
Voss, John, 364 Broome street.
Walsh, Edward, 209 East 59th street.
Walsh, John, 124 Sixth street, Hoboken.
Walsh, James S., 1385 Third avenue.
Walsh, James J., 237 West 33d street.
Walsh, Joseph J., 309 East 59th street.
Walsh, Michael, 323 East 36th street.
Walsh, William, 144 East 6th street.
Walsh, William J., 1109 First avenue.
Wallace, James, 257 Sixth avenue.
Wallace, M., 100 Warren st., Brooklyn.
Wallace, Walter W., 300 East 20th st.
Ward, Charles, 236 West 35th street.
Ward, John F., 30 Seammel street.
Ward, James, 641 Tenth avenue.
Ward, Joseph F., 554 Third avenue.
Warnock, John, 30 East 24th street.
Wares, William, 566 Tenth avenue.
Watson, James, 231 East 6th street.
Watson, William, 549 West 51st street.
Watson, Robert B., 189 Hudson street.
Waterbery, Charles F., 121 East B'way.
Webb, William W., 524 East 141st st.
Weber, Theodore, 51 Canal street.
Weiss, Fremont O., 490 Second avenue.
Weigars, John, 352 East 17th street.
Weinspach, Charles, New Jersey.
Werner, Reinhold F., 153 Second ave.
Westervelt, G. S., 215 East 122d st.
Weyh, F. B., 141 East 114th street.
Wheeler, B. H., 590 De Kalb ave., B'klyn
Whealen, Charles, 165th street, 3d house east of Boston avenue.
White, Thomas, 962 Third avenue.
Whitty, Edward, 42 Horatio street.
Whitaker, John K., 2153 Third ave.
Widder, W.H., 163d st., Brook&C'tld avs
Widgery, James, 1056 Third avenue.
Wilson, Charles, 171 Wooster street.
Wilson, Frank, 47 Stanton street.
Willis, Robert, 522 Eighth avenue.
Williamson, A., 195 Newark st., Newark
Williamson, Andrew, 128 Greenwich ave.
Wilcock, W. H., 328 East 122d street.
Winter, Ignatz, 21 Clinton street.
Wieman, Louis J., 421 Sixth avenue.
Wisel, Jacob, 310 East 37th street.
Wood, Andrew, Jr., 213 East 5th st.
Wood, James, 289 West 12th street.
Wood, Samuel, 416 West 51st street.
Wolmuth, J., 186 Concord st., Brooklyn.
Wright, John J., 1503 Third avenue.
Wright, Walter, 229 West 33d street.
Wynne, James, 188 Hester street.
Wynne, Michael, 244 East 55th street.
Yule, John, 128 Greenwich avenue.
Zeller, George, 167 Twelfth st., Brooklyn.

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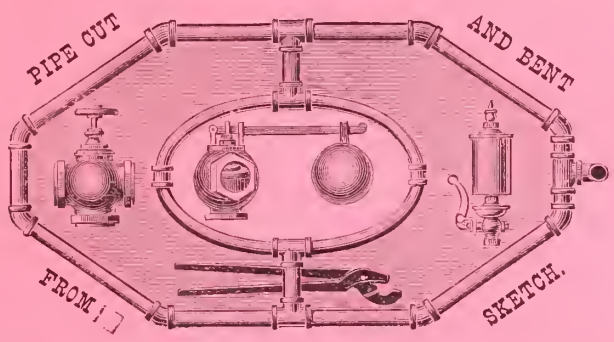

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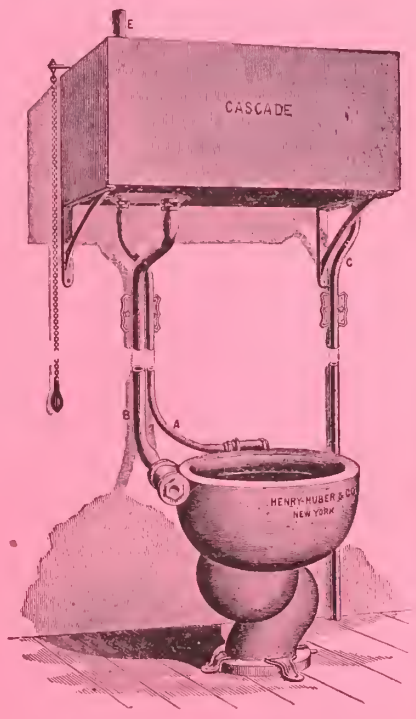

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Edward Smith	"		5,000 00
Carl Jussen	Secretary	419 West 71st street	4,000 00
Enoch Vreeland, Jr.	Assistant Secretary	Fordham	2,000 00
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Samuel M. Johnson	Vice-Medical Officer	133 West 10th street	2,000 00
Robert A. Joyce	"	Tremont	2,000 00
Edward Savage	Bookkeeper	271 West 127th street	2,500 00
William P. Allen	Clerk	164 East 114th street	1,800 00
David Graham	"	554 Hudson street	1,200 00
Michael F. Cummings	"	982 Ninth avenue	1,200 00
Thomas Coakley	"	14 West 3d street	1,200 00
Frank H. McLewee	"	30 Waverley place	1,100 00
Albert P. Fuller	Supply Clerk	35 West 61st street	1,500 00
John P. Dunny	Clerk	Fordham	1,300 00
Michael J. Phelan	Janitor	137 West 16th street	1,500 00
Edward Bonnoll	Night Watchman	Putnam House	Day, 2 50
Timothy Sullivan	"	230 East 47th street	" 2 50

Bureau of Chief of Department.

Second floor, Nos. 155 and 157 Mercer street.

Charles O. Shay	Chief of Department	Headquarters	$4,700 00
Hugh Bonner	Ass't Chief of "	"	3,500 00
John McCabe	2d " "	165 West 29th street	3,000 00
William Rowe	Chief, 1st Battalion	191 Fulton street	2,500 00
Charles D. Purroy	" 2d "	22 Chambers street	2,500 00
Joseph F. McGill	" 3d "	47 Marion street	2,500 00
Francis Mahedy	" 4th "	180 Clinton street	2,500 00
Thomas Lalley	" 5th "	253 Spring street	2,500 00
John J. Bresnan	" 6th "	108 East 13th street	2,500 00
Benjamin A. Gicquel	" 7th "	132 West 10th street	2,500 00
John S. Fisher	" 8th "	160 East 33d street	2,500 00
Samuel Campbell	" 9th "	788 Eighth avenue	2,500 00
Michael F. Reeves	" 10th "	159 East 85th street	2,500 00
Francis J. Reilly	" 11th "	209 East 122d street	2,500 00
Thomas Gooderson	" 12th "	143d st., near 3d ave.	2,500 00

FIRE DEPARTMENT—*Continued.*

Bureau of Inspector of Combustibles.

First floor, Nos. 155 and 157 Mercer street.

NAME.	POSITION.	RESIDENCE.	SALARY.
Peter Seery	Insp'r of Combustibles	157 East 38th street	$2,250 00
John H. Campbell	Clerk	155 East 33d street	1,100 00
Nicholas Moore	"	218 East 27th street	900 00
George Mitchel	Oil Surveyor	215 Varick street	1,080 00
Harvey Scofield	Surveyor	West Farms	900 00
Patrick H. Stewart	Assistant Surveyor	18 Pike street	1,080 00
George W. Barnett	Oil Collector	201 Wooster street	900 00
Henry Hughes	"	240 East 40th street	900 00
Jacob Cole	"	Fordham	900 00

Bureau of Fire Marshal.

George H. Sheldon	Fire Marshal	12 Fifth avenue	$2,500 00
George W. Varian	Clerk	259 West 44th street	1,200 00
John Mathews	"	132 East 117th street	1,200 00
Lawrence W. McGrath	"	458 Willis avenue	1,000 00
John H. Monaghan	"	306 Alexander avenue	1,000 00

Bureau of Inspection of Buildings.

Third floor, Nos. 155 and 157 Mercer street.

Albert F. D'Oench	Superintendent		$4,000 00
Edward G. Dumahaut	Chief Clerk	413 East 118th street	800 00
John R. Shields	Record Clerk	255 East 49th street	1,800 00
John J. Tindale	Plan Clerk	544 East 87th street	1,500 00
William H. Class	Fire-escape and Violation Clerk	61½ East 125th street	1,350 00
William Dodge	Clerk	34 Grove street	1,500 00
William H. James	"	136 West 12th street	1,500 00
James Graham	"	308 West 13th street	1,200 00
Thomas J. McCabe	"	143 West 4th street	1,200 00
James J. Carroll	"	266 West 12th street	1,200 00
James J. Giblin	"	238 Elizabeth street	1,000 00
William Sauer	"	464 Fourth avenue	1,000 00
John H. Monaghan	"	306 Alexander avenue	1,000 00
Thomas H. Flanagan	"	84 Second avenue	1,176 00
George Scannell	"	248 East 30th street	1,000 00
George E. La Faye, Jr.	"	70 Charles street	1,000 00
Washington Parker	"	71 West 3d street	912 00
George Morgan	"	281 West 12th street	900 00
Edward Ledwith	"	302 East 22d street	900 00
Franklin P. Duffey	"	Fordham	972 00
Samuel Friedsam	"	2 West 126th street	800 00
Patrick H. Deviney	"	421 Third avenue	800 00
Edward W. Kennedy	Messenger	310 West 25th street	900 00
James Murphy	"	615 West 136th street	900 00
James Salmon	"	322 East 31st street	900 00
Carlos C. Buck	Inspector	84 East 9th street	2,000 00
Edward C. Maloy	"	362 Eighth street	1,300 00
Thomas Little	"	Mount Vernon	1,300 00
William McNamara	"	Fordham	1,100 00

FIRE DEPARTMENT—Bureau of Inspection of Buildings—*Continued.*

Name.	Position.	Residence.	Salary.
William Winterbottom..	Inspector.....	345 West 48th street..	$1,100 00
Michael McEvoy.....	"	155 East 30th street...	1,100 00
Simon Bittiner.....	"	521 West 23d street...	1,100 00
Ronald Ketcham.....	"	High Bridge.....	1,100 00
Thomas J. Brady.....	"	400 West 54th street..	1,100 00
Daniel M. Keeley.....	"	128 West 19th street..	1,100 00
Lewis K. Osborn.....	"	173d st. and Railroad av	1,100 00
William McDonald	"	308 East 33d street...	1,100 00
Archibald Smith.....	"	449 West 19th street..	1,100 00
John Mallon.....	"	249 East 35th street..	1,100 00
Richard Mathews.....	"	1131 First avenue....	1,100 00
Dennis Doris.....	"	215 East 28th street..	1,100 00
John B. Wortz.....	"	600 East 11th street..	1,100 00
Washington H. Felter...	"	31 Downing street....	1,100 00
James F. Flannelly.....	"	23 East 14th street...	1,100 00
John Hayes.....	"	307 East 32d street...	1,100 00
William Seaton.....	"	137 Ninth avenue....	1,100 00
James C. McGrann.....	"	560 Grand street.....	1,100 00
Samuel H. Merritt.....	"	1036 East 138th street	1,100 00
William Whikehart.....	"	372 Front street.....	1,100 00
Patrick Cuff.....	"	2025 Fifth avenue....	1,100 00
William H. McCorkle...	"	208 Third avenue.....	1,100 00
John O. Donnell.....	"	216 East 76th street..	1,100 00
Michael Reid.....	"	323 East 37th street..	1,100 00
Bernard McGeraghty....	"	167th st. and Boulevard	1,100 00
Jacob Kenney.....	"	452 East 58th street..	1,100 00
William J. Martin.....	"	332 East 37th street..	1,100 00
A. B. Marshall.....	"	241 East 123d street..	1,100 00

Attorney to the Department.

Third floor, Nos. 155 and 157 Mercer street.

William L. Findley.....	Attorney	27 East 63d street....	$4,000 00
Meyer Butzel	Temporary Assistant to the Attorney....	45 St. Mark's place...	1,700 00
Samuel J. Parmenter....	Temporary Assistant to the Attorney....	214 West 15th street..	1,300 00
Mathew P. Breen.....	Temporary Assistant to the Attorney....	155th st. and 3d ave..	1,200 00
John H. Hanan.....	Messenger.....	190 Delancey street...	800 00

Fire-Alarm Telegraph.

Third floor, Nos. 155 and 157 Mercer street.

J. Elliot Smith.....	Superintendent	424 West 73d street...	$3,000 00
George Farrell.....	Chief Operator.....	155 East 80th street..	1,500 00
Edward Sellew.....	Operator.....	223 Sullivan street....	1,380 00
Edward S. Sims.....	"	447 East 117th street.	1,380 00
Christopher Jones.....	"	214 Ninth avenue....	1,380 00
Frank D. Collis.....	Assistant Operator....	115 East 24th street..	1,200 00
Daniel W. Hernon.....	"	260 West 11th street..	1,200 00
Frank W. Lord.....	"	44 Commerce street...	1,200 00
John H. Kavanagh.....	"	327 Hudson street....	1,200 00
John F. Carroll.....	Clerk.....	114 Perry street.....	1,300 00

FIRE DEPARTMENT—Fire-Alarm Telegraph—*Continued.*

Name.	Position.	Residence.	Salary.
James M. Lamberson	Batteryman	24 Jones street	$1,200 00
Timothy Clancy	Foreman of Linemen	267 W. Houston street	1,000 00
John McCosker	Clerk	159 West 19th street	1,000 00
Gabriel Van Cott, Jr.	"	208 West 39th street	925 00
Michael Vail	Assistant Batteryman	16 Sutton place	800 00
William Dix	Lineman	243 Spring street	800 00
Samuel F. Pease	"	143d st., near Brook av	800 00

Repair Shops.

William Lamb	Supt. Rep'rs to Build'gs	102 West 21st street	$2,000 00
George Robinson	Foreman	High Bridge	1,500 00
John J. Byrnes	Store-keeper	250 West 14th street	1,500 00
James Deignan	Clerk	135 Macdougal street	1,400 00
Daniel Kelly	"	117 Sixth avenue	900 00
William O'Rourke	Chief Machinist	238 East 28th street	Day, 3 50
Louis Manns	Machinist	114 East 91st street	" 3 00
Roger McDermott	"	527 West 51st street	" 3 00
John R. Burke	"	30 West 13th street	" 3 00
Eugene Leonard	"	146th st. and Willis av	" 3 00
Mathew T. Ganghan	"	517 Pearl street	" 3 00
Otto C. Rigl	"	412 West 24th street	" 3 00
Asaph H. Webster	"	110 Waverley place	" 3 00
John Crosson	"	West Farms	" 3 00
Michael Hicks	"	Arthur st., 24th Ward	" 3 00
William M. Conklin	"	104 Suffolk street	" 3 00
John Thompson	"	333 West 13th street	" 3 00
John Foley	"	227 West 19th street	" 3 00
Edward Riley	"	214 East 36th street	" 3 00
Thomas Halloran	"	2047 Second avenue	" 3 00
Oliver B. Stout, Jr.	"	255 West 4th street	" 3 00
Peter Martin	"	349 East 30th street	" 3 00
James A. Kane	"	207 East 75th street	" 3 00
John Fitzpatrick	"	Kingsbridge	" 2 50
Robert Dowker	" Helper	Fordham	" 1 75
Daniel Bonner	" "	182 Lexington avenue	" 1 75
Stephen Greenwald	" "	17 Stuyvesant place	" 1 75
Thomas H. Sullivan	" "	130 East 13th street	" 1 75
Owen A. Brady	" " & M'ger	334 East 22d street	" 2 50
Alfred W. Birch	" "	Fordham	" 1 90
James Costello	Blacksmith	853 Tenth avenue	" 3 00
Edward Nugent	"	34 East 80th street	" 3 00
Patrick Christie	"	238 East 41st street	" 3 00
Robert Christie	"	244 East 38th street	" 3 00
Patrick McNally	" Helper	19 City Hall place	" 1 90
T. L. Williamson	" "	355 Ninth avenue	" 1 90
James Sullivan	" "	Lexington av. & 89th st	" 1 90
John Reilly	" "	247 East 12th street	" 1 90
Peter Carroll	" "	230 East 126th street	" 1 90
Jacob Schmidlapp	Wheelwright	441 East 120th street	" 4 00
John Hart	"	2308 Second avenue	" 3 00
Michael McDermott	"	128th st. and 6th ave.	" 3 00
Henry Becker	"	242 West 30th street	" 3 00
Francis Ochs	"	132 East 3d street	" 3 00
Walter Kane	"	Fordham	" 3 00

FIRE DEPARTMENT—Repair Shops—*Continued.*

Name.	Position.	Residence.	Salary.
John M. Haas	Harnessmaker	288 West 4th street	Day, 3 00
William Crosby	"	225 Thompson street	" 3 00
George Hallenbeck	"	134 Macdougal street	" 3 00
Patrick Fanning	Collarmaker	130 West 19th street	" 3 00
James Lynch	Hose-repairer	118 East 88th street	" 3 00
Matthew Weeks	"	Fordham	" 3 00
John Quigg	Painter	56 Avenue D	" 3 00
James Sheriden	"	300 East 20th street	" 2 75
Charles Nichols	"	24 Greenwich avenue	" 2 75
Louis F. Merlino	"	35 South 5th avenue	" 2 75
Edward Mara	"	Spuyten Duyvil	" 2 75
William Jackson	"	81 Sixth avenue	" 2 75
Edward Bambrick	Night Watchman	2226 Second avenue	" 2 50
Charles Golden	"	56 South 5th avenue	" 2 50
Michael Reidy	Watchman	Fordham	" 2 50
William Cashen	"	115 East 4th street	" 2 50
James Moore	Driver	142 East 32d street	" 2 50
Thomas McCabe	"	104 Seventh avenue	" 2 50
William H. Wilson	Messenger	211 East 9th street	" 2 00

Foremen.

Hugh D. McCabe	Engine Co. 1	165 West 29th street	$1,500 00
Walter W. Brown	" 2	530 West 43d street	1,500 00
James McCutcheon	" 3	417 West 17th street	1,500 00
Thomas Conlon	" 4	39 Liberty street	1,500 00
William H. Fleming	" 5	340 East 14th street	1,500 00
James H. Monroe	" 6	100 Cedar street	1,500 00
Thomas A. Kenny	" 7	22 Chambers street	1,500 00
John Welsh	" 8	165 East 51st street	1,500 00
Philip Sheridan	" 9	55 East Broadway	1,500 00
Fred'k W. Gooderson, Jr.	" 10	8 Stone street	1,500 00
Isaac Fisher	" 11	437 E. Houston street	1,500 00
John White	" 12, Assist't Foreman Com'd'g	261 William street	1,500 00
Daniel Lawler	Engine Co. 13	99 Wooster street	1,500 00
Charles H. Shay	" 14	14 East 18th street	1,500 00
Thomas Judge	" 15	269 Henry street	1,500 00
William F. Hayes	" 16	223 East 25th street	1,500 00
George S. Searle	" 17	91 Ludlow street	1,500 00
Charles Chambers			1,500 00
Thomas J. Van Horn	" 18	132 West 10th street	1,500 00
John Castles			1,500 00
George W. Erb	" 19	355 West 25th street	1,500 00
Robert Wray	" 20	47 Marion street	1,500 00
John J. Eagan	" 21	216 East 40th street	1,500 00
Patrick Donohue	" 22	159 East 85th street	1,500 00
David Connor	" 23	235 West 58th street	1,500 00
William McLoughlin	" 24	78 Morton street	1,500 00
George Cusick	" 25	342 Fifth street	1,500 00
Peter Vetter, Jr	" 26	220 West 37th street	1,500 00
Arnot Spence	" 27	173 Franklin street	1,500 00
Edward O'Brien	" 28	604 East 11th street	1,500 00
Hugh J. Golden	" 29	193 Fulton street	1,500 00

FIRE DEPARTMENT—Foremen—*Continued.*

Name.	Position.	Residence.	Salary.
Edward A. Scannell	Engine Co. 30	253 Spring street	$1,500 00
Daniel Callaghan	" 31	116 Leonard street	1,500 00
John Binns	" 32	108 John street	1,500 00
William Bermingham	" 33	15 Great Jones street	1,500 00
Charles H. Perley	" 34	440 West 33d street	1,500 00
John J. Golden	" 35	223 East 119th street	1,500 00
Alexander McNeil	" 36	2333 Fourth avenue	1,500 00
Samuel Best	" 37	58 Lawrence street	1,500 00
Charles A. Wolf	" 38	10th av., bet. 154th and 155th streets	1,500 00
Hamilton F. Perley	" 39	67th st., bet. Lexington and 3d avenues	1,500 00
John A. Cowie	" 40	68th st., bet. 10th av. and Boulevard	1,500 00
Hugh Kittson	" 41	3d ave., bet. 147th and 148th streets	1,500 00
William H. Landers	" 42	Fulton ave., bet. 167th and 168th streets	1,500 00
Joseph P. Byrnes	Fire Boat, 43	Foot of Clinton street, East River	1,500 00
Rodger B. Hamblett	Engine Co. 44	221 East 75th street	1,500 00
James Barry	" 45	West Farms	1,500 00
Joseph Poynton	" 46	Tremont	1,500 00
James A. McCormick	" 47	Bloomingdale road and 97th street	1,500 00
Michael Hart	" 48	Fordham	1,500 00
Charles L. Kelley	" 49	Blackwell's Island	1,500 00
John Ward	" 50	166th st., bet. Washington and 3d aves.	1,500 00
Robert R. Farrell	Fire Boat, 51	Foot of West 13th st., North River	1,500 00
Robert Williams	Engine Co. 52	Riverdale	1,500 00
John Falvey	" 53	104th st., bet. 3d and Lexington avenues	1,500 00
James Cosgrove	" 54	304 West 47th street	1,500 00
Peter H. Short	Hook and Ladder 1	26 Chambers street	1,500 00
John Sattler	" " 2	126 East 50th street	1,500 00
Daniel J. Meagher	" " 3	108 East 13th street	1,500 00
William J. Colby	" " 4	788 Eighth avenue	1,500 00
James Walton	" " 5	96 Charles street	1,500 00
John H. Kehoe	" " 6	77 Canal street	1,500 00
John Duane	" " 7	217 East 28th street	1,500 00
John J. Cashman	" " 8	7 North Moore street	1,500 00
Daniel Bradley	" " 9	195 Elizabeth street	1,500 00
John Dwyer	" " 10	191 Fulton street	1,500 00
Thomas Sullivan	" " 11	742 Fifth street	1,500 00
William Shaw	" " 12	243 West 20th street	1,500 00
Joseph Shaw	" " 13	159 East 87th street	1,500 00
Henry M. Jones	" " 14	120 East 125th street	1,500 00
Henry Murray	" " 15	Old Slip	1,500 00
Patrick J. Connoley	" " 17	143d st., near 3d ave.	1,500 00
Alexander McDonald	" " 19	Ogden ave., bet. Birch and Union streets	1,500 00

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MANUFACTURERS AND AGENTS,

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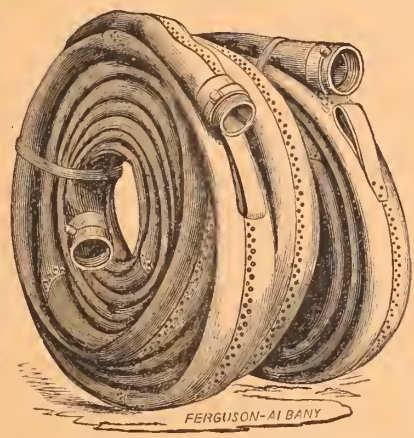
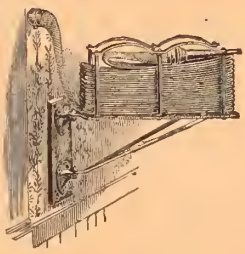


'ALL KINDS OF HOSE.



Swing Racks for Hose.

RUBBER PIPES.

BRASS PIPES.

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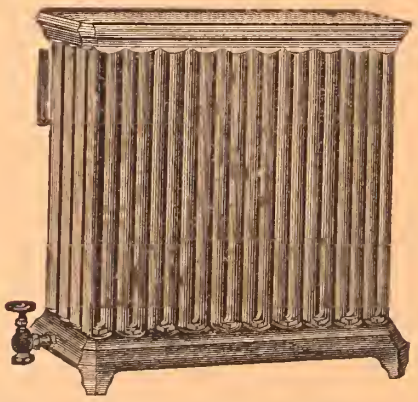

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Special to Underwriters, Insurance Companies, Architects, Owners and Builders.

A NEW FEATURE IN FIRE-PROOF BUILDINGS.

NON-CORROSIVE KALAMEIN IRON

AND OTHER

METAL-CLAD WOOD WORK.

WINDOW FRAMES, Sashes, Doors, Casings and Trimmings of wood, covered with KALAMEIN iron, bronze or brass, neat, smooth and true. Entirely new feature in **Fire-proof Housework.** For fire-proof buildings, theatres, apartment houses, stores, warehouses, etc. The style of ordinary housework is not changed in appearance by this process. No person can distinguish the surfaces from wood with the naked eye, when painted. It is a **perfect protection** against flames, and wood work covered by this process **cannot ignite**; is not liable to chafing, scarring or abrasion, like wood surfaces; the wood will not expand or contract by changes in the weather, because it is hermetically sealed against the action of the atmosphere. The Kalamein iron is **non-corrosive** and **everlasting.** These window frames and sashes are made of clear kiln-dried pine wood, covered with Kalamein sheet iron.

☞ I am prepared to take orders or make contracts at a very low figure. Every person about to build where fronting on narrow streets, or having light-shafts or well-holes in their plans, with windows in, can lessen their insurance and save their property from fire by using the Kalamein Metal-Clad Window Frames and Sashes. The attention of Architects and Builders is called to this invention, and to the fact that it is not an expensive improvement, but very efficacious in the prevention of fire. For estimates or other information, address

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Recommended for fine Residences as a **substitute for Polished Plate,** being superior to any other Foreign Sheet Glass on account of its **FLATNESS and brilliancy of surface,** avoiding the distorting effect of ordinary Window Glass.

ESTIMATES FURNISHED ON APPLICATION.

EXTRACTS

FROM

CHAPTER 410, LAWS OF 1882,

RELATIVE TO

PREVENTION OF FIRES,

EXPLOSIVE AND COMBUSTIBLE MATERIALS,

The Execution of which Devolves upon the Inspector of Combustibles, Etc.

ENFORCEMENT OF THIS ACT—SUITS OR ACTIONS, HOW BROUGHT—DUTIES OF ATTORNEY TO THE DEPARTMENT—SETTLEMENT OF SUITS OR JUDGMENTS.

§ 431. The board of fire commissioners is hereby authorized, empowered, and especially charged with the duty of enforcing the several provisions of this chapter, and may, subject to the other provisions of this act, incur any expense necessary and proper therefor; and said board is hereby authorized and empowered to receive and collect all license fees mentioned in this chapter, and to sue for, and shall have the exclusive right of recovery of, any and all penalties imposed under this chapter, and may sue for and recover and collect the same, with costs, in the manner provided for in actions under the Code of Civil Procedure, and shall apply the same to the uses and purposes of the relief fund of the fire department in the city of New York, and the said board may bring any suit or action for the enforcement of its rights and contracts, and for the protection, possession, and maintenance of the property under the control of said department; and any action to recover any fee, fine, or penalty under this chapter may be brought in any of the district courts in said city; and the attorney to the fire department shall, under the direction of said board, take charge of the prosecution of all suits or proceedings instituted for the recovery and collection of penalties, and the enforcement of the several provisions of this chapter; collect and receive all moneys upon judgments, suits, or proceedings so instituted; pay all costs and disbursements, and discontinue suits and proceedings, and execute satisfaction of judgments upon payment of penalties, or costs, and in compliance with orders made in such suits and proceedings; shall keep a correct and accurate register of all suits and proceedings, and account for all moneys received and paid out thereon; and shall pay over to the treasurer of the relief fund the amount of all license fees, penalties and moneys received and collected by him, and the said board is authorized to settle or compromise any such suit or judgment for less than the amount of the same, in case, in their judgment, they are satisfied that payment of the full amount cannot be collected.

OBSTRUCTIONS OF FIRE-HYDRANTS—REMOVAL OF SNOW, ICE, ETC.

§ 446. No person shall in any manner obstruct the use of any fire-hydrant in said city, or allow any snow or ice to be thrown or piled upon or around the same, or have or place, or allow to be placed, any material in front thereof, from the curb line to the centre of the street, and to within ten feet from either side thereof, and all snow and ice accumulating within such space shall be removed by the owner or owners, lessee or lessees, of the premises fronting the same in the same manner as is prescribed for the keeping clear of the sidewalk, under a penalty of ten dollars

for each and every such offence; and any and all material found as an obstruction, as aforesaid, may be forthwith removed by the officers or employees of said board, and at the risk, cost and expense of the owner or claimant, and said board may take all proper measures to keep said hydrants from freezing and in proper condition for use at all times.

Title 3.—Prevention of Fires. Explosive and Combustible Materials.

SHAVINGS, HOW STOWED AWAY—KINDLING FIRES IN STREETS, ETC.—PENALTY—CHIMNEY FIRES.

§ 452. All carpenters or others in said city making or using shavings, shall, at the close of each day, cause the same to be securely stowed in some safe place remote from danger by means of fire, under the penalty of five dollars for each omission so to do. No person shall kindle any fire nor furnish the materials nor in any way authorize or allow any fire to be made in any street, road, alley, lane, or upon any pier, wharf, or bulkhead in said city, except under such regulations as shall be established by said board of fire commissioners under a penalty of ten dollars for each and every such offence. If any chimney, stove-pipe, or flue within the said city shall take fire, the occupant of the premises to which such chimney, stove or flue appertains shall forfeit the sum of five dollars.

CLOSING OF HOISTWAYS, TRAP-DOORS AND IRON SHUTTERS—LIABILILITY IN CIVIL ACTIONS FOR NEGLIGENCE, ETC.

§ 453. All hoistways, well-holes, trap-doors, and iron shutters shall be closed at the completion of the business of each day by the occupant of the building having use or control of same, and in case of a violation of this provision, such occupant having the use or control thereof shall forfeit and pay a penalty of fifty dollars for each and every neglect or omission so to do. And for any accident or injury to life and limb, resulting directly or indirectly from any neglect or omission to properly comply with any of the requirements of this section, the person or persons culpable or negligent in respect thereto, shall be liable to pay to any officer, agent or employee of said board injured, or whose life may be lost (resulting from such neglect or omission) while in the discharge or performance of any duty imposed by said board, or to the wife and children, or to the parents, or to the brothers and sisters, being the surviving heirs-at-law of any deceased person thus having lost his life, a sum of money in case of injury to person not less than one thousand dollars, and in case of death not less than five thousand dollars, such liability to be determined and such sums recovered in an action to be instituted by said board for and in behalf of any person injured, or the family or relatives of any person killed as aforesaid; and any and all persons for any fire resulting from his or their wilful or culpable negligence, or criminal intent or design, shall, in addition to the present provisions of law for the punishment of persons convicted of arson, be liable in a civil action for the payment of any and all damages to the person and property the result of such fire, and also for the payment of all costs and expenses of said board incurred in and about the use of employees, apparatus, and materials, in the extinguishment of any fire resulting from such cause, the amount of such costs and expenses to be fixed by said board, and when collected shall be paid into the relief fund of said department herein created; and shall also be liable for injury to person or loss of life of any officer, agent, or employee of said board, in the same manner and like extent, and to be sued for in like manner as in the preceding part of this section provided for.

LIGHTS IN THEATRES, STABLES, ETC.—MEANS FOR COMMUNICATING ALARMS AND EXTINGUISHING FIRES IN HOTELS, THEATRES, CHURCHES, MANUFACTORIES, ETC., TO BE PROVIDED.

§ 454. All lights used in theatres and all other places of public amusement, manufactories, stables or in show windows, shall be properly protected by globes, glass coverings, or in such other manner as said board shall prescribe, under the

penalty of ten dollars for each omission to do so. The proprietors of all manufactories, hotel, tenement-houses, boarding and lodging houses, warehouses, stores and offices, theatres and music halls, and the authorities having charge of the public schools and other public buildings, churches and other places where large numbers of persons are congregated for purposes of worship, instruction or amusement, shall provide such means for communicating alarms and extinguishing fires, and communicating necessary information to the police, as said board and board of police shall prescribe. And said board of fire commissioners may detail, not to exceed two members of the fire department, at each and every place of amusement where machinery and scenery are used, while such place is opened to the public, whose duty it shall be to guard against fire, and have charge and control of the means provided for its extinguishment, and shall have the control and direction of the employees of the place to which they may be detailed for the purpose of extinguishing any fire which may occur therein.

GUNPOWDER AND EXPLOSIVE OILS AND COMPOUNDS—STORAGE—LICENSES FOR RETAILING GUNPOWDER, ETC.—QUANTITY—HOW LABELED—MANUFACTURE OF, PROHIBITED IN CITY—TRANSPORTATION OF—NOTICE OF ARRIVALS WITH GUNPOWDER, ETC., ON BOARD—SEIZURE OF GUNPOWDER, ETC., FOUND IN VIOLATION THEREOF—PROVISIONS NOT TO APPLY TO VESSELS OF WAR.

§ 455. No person shall manufacture, have, keep, sell or give away any gunpowder, blasting powder, gun-cotton, nitro-glycerine, dualin, or any explosive oils or compounds, within the corporate limits of the city of New York, except in the quantities limited, in the manner, and upon the conditions herein provided, and under such regulations as the board of fire commissioners shall prescribe; and said board shall make suitable provision for the storage and safe-keeping of gunpowder and other dangerous and explosive compounds or articles enumerated under this title, beyond the interior line of low water-mark in the city and county of New York. The said board may issue licenses to persons desiring to sell gunpowder or any of the articles mentioned under this section at retail, at a particular place in said city to be named in said license (provided that the same shall not be in a building used in any part thereof as a dwelling, unless specially authorized by said license), and persons so licensed may have on their premises, if actually kept for sale, a quantity not exceeding at one time, of nitro-glycerine, five pounds; of gun-cotton, five pounds; of gunpowder, fourteen pounds; blasting powder, twenty-five pounds; and all of said articles shall be put in tight metalic canisters, containing, or capable of containing, not more than one pound each; and the persons so licensed shall place on some conspicuous part of the front of each of the stores or buildings in which they may be licensed to sell powder or any of the articles named under this section, a sign on which shall be distinctly printed, in characters legible to persons passing such stores or buildings, the words, "licensed to sell gunpowder," or designating such other of the articles herein named as is there offered for sale; and every barrel, cask, canister, bottle, can, vessel, box or parcel, in which the same is sold, or into which the same is delivered on being sold, shall be distinctly labeled with a printed sign or label, printed upon or firmly affixed thereto, describing the article contained therein, with the word "danger" distinctly painted below the same. No nitro-glycerine, dualin or gunpowder shall be manufactured in said city, and no quantities of nitro-glycerine, dualin or gunpowder greater than above provided shall be kept, carried or conveyed within said city; except that for the purpose of distribution to or delivery from stores and buildings in said city, a quantity not more than five quarter casks may by carried at any one time, during the daytime, for the purpose of transportation from any vessel, or sending the same to said stores or buildings, or any vessel or place without said city; provided that in the carrying or conveying the same it shall be protected by being completely and securely covered with a leather or canvas cover or case, and marked "gunpowder." The commander, owner or owners of any ship or other vessel arriving in the harbor of New York, and having more than twenty-eight pounds of gunpowder, dulin, or nitro-glycerine on board, shall within forty-eight hours after the arrival, and before such ship or vessel shall approach nearer than three hundred yards of any wharf, pier, or slip, to the southward of a line drawn through the centre of Seventy-third street, immediately give written notice to the said board of the fact that such

powder or nitro-glycerine is on such vessel; but it shall be lawfull either to proceed with such ship or vessel to sea, within forty-eight hours after her arrival, or to transship such gunpowder, dulain, or nitro-glycerine from one ship or vessel to another, for the purpose of immediate transportation, without landing the same; provided, however that the provisions of the section shall not apply to any vessel receiving gunpowder on freight on any one day, provided such vessels do not remain at any wharf of the said city, or be within three hundred yards thereof, after sunset. All gunpowder, guncotton, blasting powder, dualin, nitro-glycerine, or other explosive compound, found in violation of this section, shall be forthwith seized and safely stored, and be sold, upon three days' notice to the owner or claimant; and the proceeds of such sale, after deducting all expenses, shall be forfeited and paid over to and for the use and benefit of the relief fund of the fire department in the city of New York. Nothing contained in this section shall be construed to apply to any ship or vessel of war in the service of the United States or of any foreign government, while lying distant three hundred yards or upwards from the wharves, piers, or slips of the said city.

MANUFACTURE AND KEEPING OF FIREWORKS, CHEMICALS, ETC.—PERMIT THEREFOR—KEEPING OF FIREWORKS, WHEN AUTHORIZED—CHEMICALS AND ACIDS—TAR, PITCH, TURPENTINE, ETC.

§ 456. No fireworks, detonating works, cartridges, powder train, percussion caps, collodion, nitrate of soda, nitrate of silver, ether, phosphorus, matches, or explosive compounds shall hereafter be manufactured, stored, or kept upon sale in the city, except at such places, in such manner, and in such quantities as shall be determined by the said board in the exercise of their discretion, under a permit by them granted therefore, and subject to be revoked at any time by said board. Fireworks, consisting of Chinese crackers, rockets, blue lights, candles, colored pots, lance-wheels, and other works of brilliant colored-fires, may be kept upon sale intervening the tenth day of June and the tenth day of July in each year, by retail dealers, under such reasonable regulations as said board may prescribe, under a permit issued therefor; and no quantity of the following-named chemicals, acids and combustible materials greater than as hereinafter enumerated, shall be stored or kept in or upon any one building within the city, namely: sulphur, one thousand pounds; manufactured matches, five hundred pounds; saltpetre, nitrate of soda, five hundred pounds in the whole; nitrate of silver, collodion, ether, phosphorus, fifty pounds in the whole; cartridges, percussion caps, powder train, one hundred pounds in the whole; aqua fortis, muriatic acid, nitric acid, and sulphuric acid, not exceeding one thousand pounds in the whole; tar, pitch, rosin, turpentine, one hundred barrels in the whole, except the same shall be stored and kept in such building and manner as said commissioners may require, under a special permit by them issued therefor.

CRUDE PETROLEUM AND COAL OILS—WAREHOUSES FOR—PETROLEUM, KEROSENE, ETC.—HOW TESTED—NUMBER OF BARRELS OF, ABOVE CELLAR—STORAGE IN CELLARS—ABOVE FIRST FLOOR, LIMITED—CARTING, HANDLING AND TRANSPORTING—PERMITS FOR STORAGE IN FIRE-PROOF BUILDINGS, ETC.

§ 457. No person shall have, keep upon sale, or store in any place or building within the corporate limits of the city, any crude petroleum, coal, or any similar oil, nor any of their products, either of which shall emit an inflammable vapor at a temperature below one hundred degrees of Fahrenheit, except under the following provisions: or any of their products may be stored in detached and properly ventilated warehouses, the outer walls of which shall be stone, brick or iron, especially adapted for the purpose, by having raised sills, at least two feet high, or the ground floor of which shall be at least two feet below the level of street or adjoining yard, or so constructed as to actually prevent the overflow of such substances beyond the premises where the same may be kept or stored; which said warehouses shall not be occupied in any part as a dwelling; and if less than fifty feet from any adjacent dwelling the same must be separated by a brick or stone wall at least ten feet in height and sixteen inches thick, constructed in such manner as said commissioners

may prescribe, but the same may be stored in such other manner as said commissioners may designate under a special permit issued therefor. No refined petroleum, kerosene, coal, or similar oil, or earth or rock oil, or machinery oil, or any product thereof to be used for illuminating or heating purposes which shall emit an inflammable vapor at a temperature below one hundred degrees Fahrenheit, shall be kept upon sale or stored within the corporate limits of the city. All said articles shall be tested and their quality determined by sanitary surveyors authorized by said commissioners, using G. Tagliabue's instruments, or such other instruments as may be designated by said commissioners, the barrels or packages containing the same to be legibly stamped or marked with said inspector's official stamp or mark. No refined petroleum, kerosene, gasoline, naphtha, or benzine, benzole, camphene, or burning fluid, or products or compounds containing any of said substances, when temporarily placed above the cellar or basement of any building, and in barrels of not over forty-five gallons each, or in metallic vessels or tanks, shall exceed in the whole quantity the contents of fifty of said barrels, provided, however, that the whole quantity of said refined oils that may be so kept or stored over night shall not exceed the contents of ten of said barrels, unless stored in the manner provided for storing crude petroleum; and when stored in cellars or basements, surrounded by walls of brick or stone, and at least two feet below the level or grade of the sidewalk, street, or land adjacent, the whole quantity shall not exceed the contents of one hundred and fifty barrels, unless stored in warehouses specially adapted for that purpose, as required for the storage of crude petroleum under this section; provided, also, that no quantity of said oils greater than one barrel shall be stored or kept in any building occupied in any part thereof as a dwelling. No refined petroleum, kerosene, gasoline, naphtha, benzine, benzole, camphene, burning fluid, or products or compounds containing any of said substances, shall be kept or stored on or above the first story or floor of any building, exceeding in the whole quantity the contents of five barrels, of forty gallons each. In no case shall any of the articles named in this section be allowed to remain on the sidewalk beyond the front line of any building, or in or upon the streets, docks, piers, bulkheads, slips, highways, or public places a longer time than is actually necessary for the removal or loading of the same, and said commissioners may establish and enforce general regulations and issue such orders and special directions relative to the handling, lightering, carting, loading, unloading, and transportation of the several articles named under this section, as in their discretion shall be deemed necessary for the public protection, and said commissioners may issue special permits authorizing the keeping of any of the articles enumerated under this section in buildings, tanks, or structures fire-proof throughout, in such quantities, in such manner, and subject to such regulations as shall tend to secure the same against danger.

TO BE POSTED IN STORES—PENALTY FOR SELLING WITHOUT.

§ 458. No person shall sell at retail, or give away, any kerosene or other product of petroleum, or any similar oil, to be used for heating or illuminating purposes, without first obtaining a license therefor from the said commissioners, to be issued with the consent of the mayor, under such rules and regulations as they may prescribe, which license shall be for the term of one year, and shall not be transferable; and for every such license and for every renewal of the same, the said commissioners shall demand and receive the sum of ten dollars. Said license shall be posted in a conspicuous place in the store of the person or persons to whom the same is issued, and may be revoked for cause by said commissioners. Any person who shall sell any of the compounds above mentioned in this or the last section without first obtaining a license therefor, shall forfeit and pay the sum of twenty-five dollars.

LIABILITY IN ACTION FOR DAMAGES—POLICIES COVERING SALE OF PROHIBITED COMPOUNDS.

§ 459. In case any person is burned by the explosion of any compound, the sale of which is prohibited by any section of this title, or has not been subjected to sanitary survey, or licensed as therein provided, and death ensues therefrom, the

person found guilty of selling the same shall be deemed guilty of a felony, and, upon conviction, shall be punished by a fine of not less than one thousand dollars, nor more than five thousand dollars, or by imprisonment in the State prison for a term not less than one year nor more than five years; and in case of a bodily injury the party injured may maintain an action for damages against the party violating the provisions of this title. And any dealer who shall present and deliver for sanitary survey a sample of oil different from and which does not represent the quality of oil actually kept by him or her for sale, and not taken from the actual stock being offered for sale, and of the same quality therewith, shall forfeit and pay the additional sum of fifty dollars. If any fire insurance company, organized under the laws of this State, or any insurance company of any other State, or any foreign insurance company authorized to do the business of insurance in this State, shall indorse upon any policy issued by them the right or privilege to keep, deal in, give away, sell, or use any article or compound of a combustible or explosive character, the sale of which is made unlawful by any act of the legislature of this State, or shall cause or permit such indorsement to be made by others upon their policies of insurance, they shall for each and every such offense forfeit and pay a fine of five hundred dollars.

FIRE OR LIGHT ON VESSELS, ETC., WITHIN 150 FEET OF PLACES WHERE PETROLEUM IS STORED—EXCEPTIONS—PENALTY.

§ 460. It shall be unlawful for the owner, or for any of the officers, employees, or crew of any ship, vessel, canal boat, barge, lighter, boat or other craft lying at or within one hundred and fifty feet of any warehouse, yard, shed, dock, pier, bulkhead, wharf, or other place within the county of New York, at, in, or on which petroleum oil, or any of its products, is stored, or kept for export, or in quantities exceeding ten thousand gallons; or for any other person or persons to bring, keep, have, or use, or suffer or permit to be brought, kept, had, or used on board of any such ship, vessel, canal boat, barge, lighter, boat, or other craft, or at, in, or on any such warehouse, shed, yard, dock, pier, bulkhead, wharf, or other place, any lighted match, or lighted cigar, cigarette, or pipe, or any fire or light of any kind, without, or otherwise than in strict conformity to the written permission of the owner, lessee, or superintendent of such warehouse, shed, yard, dock, pier, bulkhead, wharf, or other place, specifying the fire or light to be kept, had, or used, the particular purpose for, and the place or spot at which the same may be so kept, had or used, and the particular manner of keeping, having or using the same. This section shall not apply to steam tugs while transacting their ordinary business, nor to steam fire engines engaged in extinguishing fires. Every violation of this section shall be a misdemeanor, triable before the court of special sessions.

REGULATIONS IN REGARD TO CHEMICALS.

§ 461. No quantity of the following-named chemicals and combustible materials greater than is hereinafter enumerated shall be stored or kept in, or upon any one building within the city, namely: hemp or flax, unbaled, two thousand pounds in the whole; varnish, rosin, twenty barrels in the whole; alcohol, pure spirits, camphene, burning fluid, five barrels in the whole; unslacked lime, ten barrels; vitriol, five carboys in the whole; loose wood shavings, one hundred pounds; except the same shall be stored and kept upon an open space of ground, surrounded by a wall constructed entirely of fire-proof materials, at least twelve feet high and twelve inches thick; or within a fire-proof building remote or distant at least fifty feet from any adjacent building.

STORAGE OF MORE THAN TWENTY TONS OF HAY, ETC., PROHIBITED, EXCEPT IN FIRE-PROOF BUILDINGS, ETC.—UNCOVERED HAY, ETC., KEEPING OF.

§ 462. No quantity of cotton, hay, straw, flax, hemp, husks, rushes, oakum, rags, sea-weed, jute, or other vegetable fibre when pressed or baled, greater than twenty tons in the whole, shall be stored or kept in any building within the city of New York, unless kept in a building fire-proof throughout, or upon an open space of ground surrounded by a wall constructed entirely of fire-proof materials, at least

twelve feet high and twelve inches thick, or within a fire-proof building remote or distant at least fifty feet from any adjacent building, or in a building approved by the New York board of underwriters or the commissioners of the fire department, and of which approval a certificate shall have been issued by either of said boards, and shall not have been revoked; and none of the articles enumerated in this section, when loose or not baled, shall be kept as aforesaid in quantity exceeding one thousand pounds in the whole; excepting in a private stable, in which may be kept such loose hay and straw in quantity not exceeding twenty-five hundred pounds in the whole. No person shall have, put or keep any hay or straw uncovered in any stack or pile, or in any other way exposed, within one hundred yards of any building in said city, or shall have, put or keep within said city any hay, straw, hemp, flax, shavings or rushes in any building not built of stone or brick or iron, or covered with tile or slate or other fire-proof material, which is or shall be within ten feet of any dwelling-house or chimney whatsoever.

RIGHT TO ENTER STABLES, VESSELS, ETC.—DEPOSIT OF ASHES—NOTICE TO REMOVE OR SECURE COMBUSTIBLE MATERIALS—COLLECTION OF EXPENSE OF REMOVAL.

§ 463. The commissioners and their officers or agents, under the direction of said commissioners or either of them, are hereby empowered at any and all times to enter into and examine all buildings, dwelling-houses, livery and other stables, hay-boats, or vessels, and places where any merchandise, gunpowder, hemp, flax, tow, hay, rushes, firewood, boards, shingles, shavings or other combustible materials may be lodged for the purpose of ascertaining all violations of any of the provisions of this title, and also the places where ashes may be deposited, and upon finding that any of them are defective or dangerous, or that a violation of this title exists therein, may deliver a written or printed notice, containing an extract from this title, of the provisions in reference thereto, and notice of any violation thereof, and notice to remove, amend or secure the same within a period to be fixed therein. And in case of neglect or refusal on the part of such occupant or the possessor of such combustible materials, or any of them, so to remove, amend or secure the same within the time and in the manner directed by the said commissioners in such notice, the party offending shall forfeit and pay, in addition to any penalty otherwise imposed, the sum of twenty-five dollars, and the further sum of five dollars for every day's neglect to remove, amend or secure the same after being so notified. All the expenses of any removal, alteration or amendment as aforesaid, shall be paid in the first instance by the occupant, but shall be chargeable against the owner of such dwelling-house or other building, and shall be deducted from the rent of the same unless such expense be rendered necessary by the act or default of such occupant, or unless there be a special agreement to the contrary between the parties.

§ 464. All persons or corporations who shall be required to have and obtain permits shall furnish such information as may be required, touching the condition of any building and the business therein proposed to be conducted, preliminary to obtaining such permits.

NON-ENUMERATED FINES AND PENALTIES—PART MAY BE PAID TO INFORMER.

§ 465. Any person, persons, or corporation, for the violation of, or non-compliance with, any of the several provisions of the several sections of this title, when the penalty is not therein specially provided, shall severally forfeit and pay a fine or penalty in the sum of fifty dollars for each and every offense, or shall forfeit and pay the penalties respectively imposed under any of said sections, and shall also be severally liable for the removal, amendment, or abatement of any violation of, or non-compliance with, any requirement under said sections, and shall also be severally liable for the payment of the further penalty of the sum of fifty dollars for any violation of, or non-compliance with, any regulation, order, or special direction issued by said commissioners, as authorized under this chapter. Said commissioners may, in their discretion, pay a portion of a fine, or penalty, when collected, not to exceed one-half thereof, to an informer.

* * * * * * * * *

INSPECTOR OF COMBUSTIBLES MAY ENTER BUILDINGS, ETC.—REPORT DEFECTS TO BOARD—MAKE ALTERATIONS, ETC., IF OWNERS NEGLECT.

§ 467. It shall be the duty of the Inspector of Combustibles,* or his officers and agents, when authorized by him in writing so to do, to enter into any building or premises within said city for the purpose of examining, or causing to be examined, the stoves and pipes thereto, ranges, furnaces, and heating apparatus of every kind whatsoever, including the chimneys, flues, and pipes with which the same may be connected, engine-rooms, boilers, ovens, kettles, and also all chemical apparatus, or other things which in his opinion may be dangerous in causing or promoting fires, or dangerous to the firemen or occupants in case of fire; and upon finding any of them defective or dangerous, or in any manner exposed or liable to fire from any cause, he shall report the same to the board, who may thereupon issue orders or special directions, either printed or written, directing the owner or occupant to alter, remove, or remedy the same in such manner and within such reasonable time as may be necessary, and in respect thereto may authorize and direct the use of such materials and appliances as shall be deemed proper and necessary; and in case of neglect or refusal so to do within the time prescribed by such orders or directions, the fire marshal, under the direction of said board shall cause such alteration, removal, or other necessary act or work to be done, and the expense thereof shall be charged to the party so offending, to be sued for and recovered in the manner herein provided for the recovery of fines and penalties under this chapter.

EXTRACT FROM G. O. NO. 25—O. B. C., 1881.

"The following rules, adopted by the Board, are hereby promulgated:

"I.—Company officers shall make inspections in their company districts, and report all places where fireworks are sold without permit, all places and persons selling kerosene oil without having a license, and persons having vegetable fibre in their buildings without a permit, and shall see that permits and licenses are for the current year, and properly and conspicuously displayed; shall also see that persons making fire in street have permit to do so; all such permits and licenses to be issued from this Department.

"II.—All notices from the Bureau of Combustibles must be served in the following manner:

"1. By delivering the notice to the person to whom it is directed, or to some person of suitable age and discretion (in the employ of such person) on the premises.

"2. If the person to whom the notice is directed has removed from the address given, make diligent inquiry in the neighborhood and ascertain if possible the present whereabouts of the person or persons addressed. Also ascertain the full name or names of the person or firm occupying the premises at the address given, the nature of the business carried on there, and the date when such business was commenced, giving full particulars in the return.

"3. In serving a firm or partnership, ascertain the full names of the persons composing the firm, and state the same in the return.

"4. In serving a corporation, ascertain the full names and the official titles of the officers thereof, and state the same in the return.

"5. Proper report respecting all notices sent for service from the Bureau of Combustibles must be promptly returned to said Bureau. The fact of service, or in case of failure to serve any notice, the cause of such failure must be stated in the return. *All returns must be written in ink and signed by the party detailed to make the service.* * * * * * * *"

* In the original law the Fire Marshal was charged with these duties, and under the provisions of sec. 28, chapter 335, Laws 1873, the duties were devolved, by the Board of Fire Commissioners, with the consent of the Board of Estimate and Apportionment, upon the Inspector of Combustibles.

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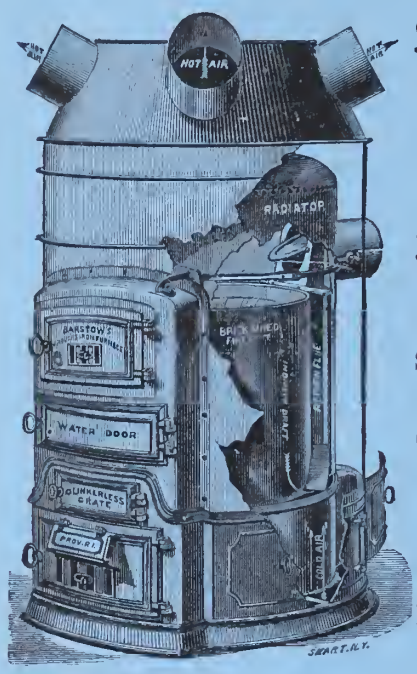

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LAWS

RELATING TO

THE CONSTRUCTION OF BUILDINGS

IN THE

CITY OF NEW YORK.

Chapter 410, Laws of 1882 (as amended). Title 5. Construction of Buildings.

BUILDINGS TO BE IN CONFORMITY WITH TITLE.

§ 471. (As amended by section 1, chapter 456, Laws of 1885.) No wall, structure, building, part or parts thereof, shall hereafter be built, constructed, altered, or repaired, in said city, except in conformity with the provisions of this title.

MATERIALS OF WALLS.

§ 472. (As amended by section 2, chapter 456, Laws of 1885.) All buildings hereafter erected within said city, other than frame or wooden buildings, shall have all walls constructed of stone, brick or iron, properly bonded and solidly put together, and all such walls shall be built to a line, and be carried up plumb and straight, with closed joints, and the several component parts of such buildings shall be built and constructed in such manner as herein provided.

FOUNDATION WALLS; ROCK TO BE GRADED. EXCAVATIONS TO BE GUARDED.

§ 473. (As amended by section 3, chapter 456, Laws of 1885.) All foundation walls shall be laid not less than four feet below the surface of the earth, on a good solid bottom, and in case the nature of the earth should require it, piles shall be driven, or timbers laid of sufficient size and thickness to prevent the walls from settling, the top of such pile or timber bottom to be driven or laid below the water-line, and where piles are driven for a foundation they shall not be less than five inches in diameter at the smallest end, and shall be driven to a firm and solid bearing, and all piers, columns, posts, or pillars resting on the earth shall be set upon a bottom in the same manner as the foundation walls. Whenever in any case the foundation wall or walls of any building that may hereafter be erected shall be placed on a rock bottom, the said rock shall be graded off level in sections or otherwise to receive the same. All excavations upon the front or side of any lot adjoining a street shall be properly guarded and protected by the person or persons having charge of the same, so as to prevent the same from being or becoming dangerous to lie or limb.

EXCAVATIONS; WALLS ADJOINING TO BE PROTECTED.

§ 474. (As amended by section 4, chapter 456, Laws of 1885.) Whenever excavations for building or other purposes, on any lot or piece of land in the city and county of New York, shall be intended to be carried to the depth of more than ten feet below the curb at the place where there shall be any party or other wall, wholly or partly on adjoining land and standing upon or near the boundary lines of such

lot, the person causing such excavations to be made, if afforded the necessary license to enter on the adjoining land, and not otherwise, shall at all times from the commencement until the completion of such excavations, at his own expense, preserve such wall from injury, and so support the same by a proper foundation that it shall remain as stable as before the excavations were commenced. Whenever there shall be any excavation, either of earth or rock, hereafter commenced upon any lot or piece of land in the city of New York, and there shall be any party or other wall wholly or partly on adjoining land, and standing upon or near the boundary line of said lot, if the person or persons whose duty it shall be, under this act, to preserve or protect said wall or structure from injury shall neglect or fail so to do after having had a notice of twenty-four hours from the superintendent of buildings so to do, the superintendent of buildings may enter upon the premises, and employ such labor and furnish such materials and take such steps as in his judgment may be necessary to make the same safe and secure, or to prevent the same from becoming unsafe or dangerous, at the expense of the person or persons owning said wall, building, or structure of which it may be a part, and any person or persons doing the said work, or any part thereof, under and by direction of the said superintendent, may bring and maintain an action against the owner, owners, or lessee, or any one of them, of the said wall, building, or structure of which it may be a part, for any work done or materials furnished in and about the said premises, in the same manner as if he had been employed to do the said work by the said owner, owners, or lessee of the said premises.

THICKNESS AND MATERIAL OF FOUNDATION WALLS.

§ 475. (As amended by section 5, chapter 456, Laws of 1885.) The footing, or base course, under all foundation walls, and under all piers, columns, posts or pillars resting on the earth shall be of stone or concrete, and if under a foundation wall, shall be at least twelve inches wider than the bottom width of the said wall; and if under piers, columns, posts, or pillars shall be at least twelve inches wider on all sides than the bottom width of the said piers, columns, posts, or pillars, and not less than eighteen inches in thickness; and if built of stone, the stones thereof shall not be less than two by three feet, and at least eight inches in thickness; and all base stones shall be well bedded and laid edge to edge; and if the walls be built of isolated piers, then there must be inverted arches at least twelve inches thick, resting upon a continuous bed of concrete at least eighteen inches thick, turned under and between the piers, and the outside piers shall be secured to the second piers with suitable tie rods and plates, or not less than two footing courses of large stones at least ten inches thick in each course, equal in area to what would be required under a continuous wall. All foundation walls shall be built of stone or brick, and shall be laid in cement mortar, and if constructed of stone, shall be at least eight inches thicker than the wall next above them, to a depth of ten feet below the curb level, and shall be increased four inches in thickness for every additional five feet in depth below the said ten feet; and if built of brick shall be at least four inches thicker than the wall next above them to a depth of ten feet below the curb level, and shall be increased four inches in thickness for every additional five feet in depth below the said ten feet.

DWELLING-HOUSES; THICKNESS OF WALLS, ETC.

§ 476. (As amended by section 6, chapter 456, Laws of 1885.) The basement walls of dwelling-houses not over thirty feet in height, and not over twenty feet in width, shall not be less than twelve inches thick, if of brick; the other walls (not including foundation walls) shall not be less than eight inches thick, but no party wall shall be less than twelve inches thick. The walls of dwelling-houses over thirty feet in height and under sixty feet in height shall not be less than twelve inches thick above the first story floor, and not less than sixteen in the basement story.

If sixty feet and under seventy feet in height, the walls shall not be less than

sixteen inches thick to the height of twenty feet, or to the next tier of beams above, and not less than twelve inches thick from thence to the top.

If seventy feet and not over eighty-five feet in height, the walls shall not be less than twenty inches thick to the height of fifteen feet, or to the next tier of beams above, thence to the height of sixty feet, or to the tier of beams nearest to that height, the walls shall not be less than sixteen inches thick, and from thence not less than twelve inches thick to the top.

If eighty-five feet and not over one hundred feet in height, the walls shall not be less than twenty-four inches thick to the height of twenty feet, or to the nearest tier of beams to that height; thence not less than twenty inches thick to the height of seventy feet, or to the tier of beams nearest to that height; thence sixteen inches thick to the top.

If one hundred feet and not over one hundred and fifteen feet in height, the walls shall not be less than twenty-eight inches thick to the height of fifteen feet, or to the tier of beams nearest to that height; thence not less than twenty-four inches to the height of sixty feet, or to the nearest tier of beams to that height; thence not less that twenty inches to the height of ninety feet, or to the tier of beams nearest to that height; thence not less than sixteen inches to the top; and all walls which are built over one hundred and fifteen feet in height shall be increased four inches in thickness at the bottom for every additional fifteen feet in height, or to the tier of beams nearest to that height, leaving the same thickness for the upper parts of the walls, as is herein last specified.

All the walls of buildings hereinbefore in this section specified (except the outside and bearing walls) may be four inches less in thickness, provided, however, that none are less than twelve inches thick, except as hereinafter specified.

All dwelling-houses, whether called tenement-houses, apartment-houses, flats, hotels, or other buildings, which are to be used for the residence of any person or persons, which are hereafter erected, or which may be altered to be used as herein specified, shall have brick or stone walls on which the beams rest, not over twenty-four feet apart, and in no case shall either end of a beam or beams of such houses rest on stud partitions; this clause, however, shall not be construed to prevent the use of iron girders and columns for the support of the walls and ceilings over any wider rooms in such buildings.

The inside or partition walls of dwelling-houses which are not over thirty-two feet in width, and not over fifty feet high, may be eight inches thick above the first story floor.

In dwelling-houses not over twelve feet six inches in width, and not over fifty feet high, the centre wall between any two such houses alternating shall not be less than eight inches thick.

All stud partitions which may be placed in the cellar or lower story of any house shall have a good solid stone or brick foundation wall under the same,, which shall be built up to the top of the floor level; and the sill of said stud partition shall be of locust, and on this sill the studs shall be set.

The party walls of dwellings over sixty feet high shall in no part be less than sixteen inches thick.

Recesses for stairways or elevators may be left in the foundation or cellar walls, but in no case shall the walls be of less thickness than the walls of the first story. The walls of each story shall be built up to the full thickness thereof to the top of the beams above.

WAREHOUSES, STORES, WORKSHOPS, FACTORIES: THICKNESS OF WALLS OF.

§ 477. (As amended by section 7, chapter 456, Laws of 1885.) The walls of all warehouses, stores, workshops, factories or buildings, other than dwellings (except churches, theatres and school-houses) less than thirty feet in width, shall not be less than twelve inches thick to the height of forty feet; if above forty feet in height, and not over sixty feet in height, the walls shall not be less than sixteen inches thick to the height of forty feet or to the top of the nearest tier of beams thereto.

If above sixty feet in height, the walls shall be four inches thicker than is in the last section severally specified for dwelling-houses.

If over thirty feet in width between walls, the walls shall be four inches more than is in this section specified, for every fifteen feet or fraction thereof more than thirty feet in width; and all buildings that are in this section described that are over one hundred and twenty-five feet in depth, without a crosswall or proper piers or buttresses, shall have the side or bearing walls increased in thickness four inches more than is herein specified.

In all stores, warehouses or factories, over twenty-five feet in width, shall be brick partition walls, or girders supported on iron or wooden columns or piers of masonry; the partition walls, or girders, shall be so placed that the space between any two shall not exceed twenty-four feet, and the iron or wooden columns or piers of masonry, and girders shall be made of sufficient strength to bear safely the weight to be imposed upon them, and of sufficient diameter to bear any lateral strain imposed, and in no case shall be less than sufficient to sustain the weight of two hundred and fifty pounds for every square foot of the floor or floors that rest upon them, exclusive of the weight of the material employed in their construction, and shall have a footing course and foundation wall of the thickness required for walls, with inverted arches under and between the columns, of not less than two footing courses of large, well-shaped stone laid crosswise, edge to edge, and at least ten inches thick in each course, or one footing course of stone laid upon a concrete bed not less than twelve inches thick, and the pier above shall be built up with stone or brick properly bonded to the height required to receive a capstone of cut granite or blue stone at least twelve inches thick and not less than twelve inches wider each way than the size of the post or column, and said cap shall be set solid to receive the same; and all foundations for piers, posts, or columns shall be increased in size in proportion to the height of the building and the weight to be imposed thereon.

In case the walls of any building (not excepting dwellings) are less than twenty-four feet apart, and less than forty feet in depth, or there are crosswalls which intersect and strengthen the walls, not more than forty feet distant or between the same, the inside wall may be reduced in thickness in just proportion to the number of crosswalls, and their nearness to each other, provided, however, that this clause shall not apply to walls below seventy feet in height, and that no such wall shall be less than twelve inches thick at the top and gradually increased in thickness by set-offs to the bottom, and the superintendent of buildings shall be authorized and empowered to decide (except where herein otherwise provided for) wherein the reduced thickness of the walls herein mentioned may be permitted according to the peculiar circumstances of each case, without endangering the strength and safety of the building.

WALLS OF CHURCHES, THEATRES, FOUNDRIES, ETC.

The walls of churches, theatres, foundries, machine shops, school-houses, and other buildings of a public character shall in no case be less than is in this title specified for warehouses; and said building shall have, in addition thereto, such piers or buttresses as in the judgment of said superintendent may be necessary to make a safe and substantial building.

HOLLOW WALLS.

In all the walls that are built hollow the same amount of stone or brick shall be used in their construction as if they were solid, as above set forth, and no hollow walls shall be built unless the two walls are connected by proper ties, either of brick, stone, or galvanized iron, placed not over twenty-four inches apart.

HEIGHT OF WALLS, HOW TO COMPUTE; WIDTH OF BUILDINGS, HOW DETERMINED.

The height of walls shall be computed from the curb level at the centre of the building to the top of the roof beams of the highest part of the building. The width of buildings, for the purposes of this title, shall be determined by the way the beams are placed, the lengthwise of the beams shall be considered and taken to be

the widthwise of the building, bearing walls shall be those walls on which the beams, trusses or girders rest.

§ 478. (Repealed by section 43, chapter 456, Laws of 1885.)

WALLS, NOT TO BE CUT OFF OR ALTERED WITHOUT PERMISSION; TEMPORARY SUPPORTS. ROOF TIER OF BEAMS TO BE BRACED.

§ 479. (As amended by section 9, chapter 456, Laws of 1885.) No wall of any building now erected, or hereafter to be built or erected, shall be cut off or altered below without permission so to do having been first obtained from the superintendent of buildings. Every temporary support placed under any structure, wall, girder or beam, during the erection, finishing, alteration, or repairing of any building, or any part thereof, shall be equal in strength to the permanent support required for such structure, wall, girder or beam. And the walls of every building, during the erection or alteration, shall be strongly braced from the beams of each story until the building is inclosed, and the roof tier of beams shall be strongly braced to the beams of the story below until all the floors in the said story are laid.

HEADERS IN STONE WALLS. ASHLAR, FACE BRICK.

§ 480. (As amended by section 8, chapter 456, Laws of 1885.) All stone walls twenty-four inches or less in thickness shall have at least one header extending through the walls in every three feet in height from the bottom of the wall, and in every four feet in length, and if over twenty-four inches in thickness, shall have one header for every six superficial feet on both sides of the wall, and running into the wall at least two feet. All headers shall be at least eighteen inches in width and eight inches in thickness, and consist of a good flat stone dressed on top and bottom beds, and no stone shall be laid in such walls in any other position than its natural bed.

Stone ashlar shall be anchored to the backing, and the backing shall be of such thickness as to make the walls (independent of the ashlar) conform as to thickness with the requirements of sections four hundred and seventy-six and four hundred and seventy-seven of this act; and all bearing walls faced with Philadelphia or other faced brick, laid in running bond, shall be four inches thicker than the walls are required to be under any section of this title.

WALLS NOT TO BE BUILT IN FREEZING WEATHER.

Stone or other walls shall not be built in freezing weather, and if frozen, shall not be built upon when, in the judgment of the superintendent of buildings, it is unsafe to do so, until thawed and rebuilt, if injured.

ISOLATED PIERS TO HAVE BOND STONES. CAP STONES OR PLATES TO BE PLACED UNDER GIRDERS, ETC.

§ 481. (As amended by section 10, chapter 456, Laws of 1885.) Every isolated pier less than nine superficial feet to the base, supporting any beam or girder, or arch on which a wall rests, or lintel spanning an opening over eight feet supporting a wall, shall at intervals, not over thirty inches in height, have built into it a blue-stone bond not less than four inches thick, or a cast-iron plate of equal strength and of full size of the pier, and all piers shall be built of good, hard and well-burnt brick, laid in cement mortar, and all brick shall be well wet when laid. The walls under all iron or wooden girders, iron or other columns, shall have a cap-stone of cut granite or blue stone at least twelve inches thick, or a cast-iron plate of equal strength, by the whole thickness of the wall, and at least two feet in length. For piers fronting on a street the bond stone may conform with the kind of stone used for the trimmings of the front. In any case where any iron or other column or post rests on any wall or pier built entirely of stone or brick, the said col-

umn or post shall be set on a base stone of cut granite, or blue stone, or an iron plate, or both combined, of such thickness as may be necessary to transmit the weight above.

VAULTS UNDER SIDEWALKS. AREAS TO BE PROTECTED.

In buildings where the space under the sidewalk is utilized, a sufficient stone or brick wall shall be built to retain the roadway of the street, and the side, end or party walls of such building shall extend under the sidewalk to such curb wall. The sidewalk in all such cases shall be of incombustible material entire, and shall be adequately supported by brick walls or iron beams and columns. Openings in such walls for the admission of coal or light shall be covered with lens lights in iron frames, or with iron covers having a rough surface. No plain surface of glass shall be placed in any sidewalk where any one glass measures more than four inches square.

Open areas shall be properly protected with suitable railings. And when such areas shall be covered over with iron, or with iron and glass combined, or with stone or other materials, sufficient strength in such covering shall be provided as will insure safety to persons walking on the same, and to carry the loads which may be placed upon the same.

WALLS BELOW SURFACE. MORTAR AND CONCRETE; HOW MADE. HEADERS IN BRICK WALLS. SAND.

§ 482. (As amended by section 11, chapter 456, Laws of 1885.) The walls of dwellings and all other buildings shall, below the surface of the ground, be built of stone or brick laid in cement mortar, and the backing up of all stone ashlar shall also be laid up with cement mortar; all other walls may be built of brick or stone laid in lime mortar. The brick used in all buildings shall be good, hard and well-burnt brick, no swelled, refuse or soft brick shall be used, and in all brick walls every sixth course shall be a heading course, except, however, where walls are faced with brick in running bond, in which case every sixth course shall be bonded into the backing by cutting the course of face brick and putting in diagonal headers behind the same, or by splitting the face brick in half, and backing the same with a continuous row of headers. All brick laid between the first day of April and the first day of December shall be well wet before being laid. The sand used for mortar in all buildings, and in every part thereof, shall be clean, sharp sand, free from clay, loam, dirt or earthy matter, and shall not be finer than the standard sample kept in the office of the superintendent of buildings, and which sample shall be approved by the board of examiners named in this title, and said officer shall also keep such samples in suitable glass jars for the use of the officers and for the inspection of the public; cement mortar shall be made of sand and cement in the proportion of not more than three of sand to one of cement, and shall be used immediately after being mixed; lime mortar shall be made of not more than three parts of sand to one of lime, and shall not be used before being thoroughly slacked; concrete for foundations shall be made of not more than two parts of sand or gravel, one of cement, and three parts of small broken stone, all carefully mixed. No inferior cement or lime shall be used. The joints of all walls shall be filled with mortar and the joints of all flues shall be struck perfectly smooth.

All plastering mortar for the scratch coat shall have a sufficient quantity of long hair in it, and the lathing, unless wire netting be used, shall have openings not less than five-sixteenths of an inch between the lath.

RECESSES FOR PIPES, ALCOVES, ETC.

No recesses for water or other pipes shall be made in a twelve-inch party wall, or in any other wall more than one-third of its thickness, and its recess around said pipe or pipes shall be filled up solid for the space of one foot on top and bottom of each story to more effectually cut off draft, and thus prevent the rapid spread of fire.

Recesses for alcoves and similar purposes in dwelling-houses shall not be deeper than eight inches, and in no case shall there be less than eight inches of brick-work on the back of such recess, and provided that not more than two such recesses each not to exceed seven feet in width, shall be allowed in any one wall; and provided that such recesses shall not be permitted in dwellings where the bearing walls are not more than twenty feet apart.

SIDE WALLS NOT TO BE CARRIED UP IN ADVANCE OF FRONT WALLS. ASHLAR, BEAMS, GIRDERS, PIERS, TO BE ANCHORED. SIZE AND MATERIAL OF ANCHORS AND STRAPS.

§ 483. (As amended by section 12, chapter 456, Laws of 1885.) In no case shall the side, end or party wall of any building, being an isolated building, or one of two or more, be carried up more than two stories in advance of the front wall, nor more than one story in advance of the rear wall. The front, rear, side and party walls of any building hereafter to be erected shall be anchored to each other every six feet in their height by wrought-iron tie anchors, made of not less than one and a half inch by three-eighths of an inch. The side anchors shall be built into the side or party walls not less than sixteen inches and into the front and rear walls, so as to secure the front and rear walls to the side, end or party walls. All stone used for the facing of any building (except where built with alternate headers and stretchers), and known as ashlar, shall not be less than four inches thick, and shall be strongly anchored with iron anchors to each stone; the size of these anchors shall be not less than one and one-quarter inch by one-quarter of an inch. The side, end or party walls shall be anchored to each tier of beams at intervals of not more than six feet apart, with good strong wrought-iron anchors not less than one and a half inches by half an inch, well fastened to the side of the beams by two or more nails made of wrought-iron at least one-fourth of an inch in diameter, and in stores or warehouses or public buildings the ends of the anchors shall be sharpened, turned and driven into the beams at least one inch in addition to the two nails before mentioned; and where the beams are supported by girders the girders shall be anchored to walls and to each other in like manner, and the ends of beams resting upon the girders shall be butted together end to end, and strapped by wrought-iron straps of the same size and distance apart, and in the same beam as the wall anchors, and shall be turned down at the ends and fastened in the same manner as said wall anchors. Every pier or wall, front or rear, shall be well anchored to the beams of each story, with the same size anchors as is required for side walls, and shall hook over the second beam, and each tier of beams, front and rear, opposite each pier, shall have hard wood or Georgia pine anchor strips dovetailed into the beams diagonally, which strips shall cover at least four beams, and be one inch thick and four inches wide, but no such anchor strips shall be let in within four feet of the centre line of the beams.

COPING. MANSARD ROOFS.

§ 484. (As amended by section 13, chapter 456, Laws of 1885.) The walls of all buildings that have not cornices or gutters and are over fifteen feet high shall be carried up two feet above the roof, and coped with stone or well-burnt terra cotta, excepting, however, in case the building is isolated or is two feet or more higher or lower than the adjoining building, then the walls shall be carried up not less than one foot high. If a Mansard or French roof having over sixty degrees pitch be on any building except a wooden building, it shall be constructed of iron rafters, and lathed with iron lath on the inside and plastered or filled in with fire-proof material not less than three inches thick, and covered with metal or slate; all bulkheads, covering for necessary tanks, or covering for the machinery of elevators, shall be built of the same materials and manner as the roofs above mentioned, except as herein otherwise provided.

BEARING OF IRON LINTELS OR GIRDERS. WIDTH OF PARTY POSTS. SUPPORTS UNDER ENDS OF LINTELS. FIRE-PROOF COLUMNS. FILLING IN OF PARTY POSTS. CAST-IRON COLUMNS. FILLING IN OF IRON CASTINGS.

§ 485. (As amended by section 14, chapter 456, Laws of 1885.) All iron lintels shall have a bearing proportionate to the weight to be imposed thereon, but no lintel used to span any opening more than ten feet in width shall have a bearing less than twelve inches at each end, if resting on a wall, but if resting on an iron post, shall have a bearing of at least eight inches at each end by the thickness of the wall to be supported, and if the span be over fifteen feet the bearing shall be increased in proportion, and on the front of any building where the supports are of iron, brick, or stone, the supports shall not be less than twelve inches when situated at the ends of the girder, and in no case less than the thickness of the wall above. If the posts are to be party posts in front of a party wall and are to be used for two houses, then the said posts shall not be less than sixteen inches on the face by the thickness of the wall above, and if the party wall be more than sixteen inches thick, then the posts shall be the thickness of the wall on the face; intermediate posts may be used and shall be sufficiently strong, and the lintels thereon shall have sufficient bearing to carry the weight above with safety, as in this act provided.

When the lintels or girders are supported at the ends by brick walls or piers they shall rest upon cut granite or blue-stone blocks at least twelve inches thick, or upon cast-iron plates of equal strength, by the full size of the bearing, and in case the opening is less than twelve feet, the stone block may be six inches in thickness, or cast-iron plates of equal strength, by the full size of the bearing, and in all cases where the girder carries a wall and rests on brick piers, the bearing shall be sufficient to support the weight above with safety; and iron girders used to span openings more than twelve feet in width, and upon which a wall rests, or on which floor beams are carried, shall be either arch girders, having a rise of not less than one inch to each foot of span between the bearings, with one or more wrought-iron tie-rods of sufficient strength to resist the thrusts, well fastened at each end of the girder, or wrought-iron beams or girders of sufficient strength may be used. All lintels or girders placed over any opening in the front, rear or side of a building, or returned over a corner opening, when supported by brick piers, iron or stone columns, shall be of iron and of the full breadth of the wall supported. In all buildings hereafter to be erected or altered, where any iron column or columns are used to support a wall or part thereof, whether the same be an exterior or interior wall, excepting a wall fronting on a street, the said column shall be either constructed double, that is, an outer and inner column, and the inner column shall be of sufficient strength to alone sustain safely the weight to be imposed, or a column having internal webs of sufficient strength, independent of the outer iron, to bear the imposed load, or such other column may be used as the superintendent of buildings may certify to as being of proper and sufficient character to secure resistance to fire. All iron beams, girders, lintels, and all columns shall be made of the best materials and in the best manner.

All iron posts in front of all party walls shall be built up solid with masonry and made perfectly tight between the posts and walls, to effectually prevent the the passage of smoke or fire.

Any or all cast-iron posts or columns which are to be used for the support of wooden or iron girders or brick walls, not cast with one open side or back, before being set up in place, shall have a three-eighths of an inch hole drilled in the shaft of each post or column, by the manufacturer or contractor furnishing the the same, to exhibit the thickness of the castings, and any other similar sized hole or holes which the superintendent of buildings, or his duly authorized representive, may require to be drilled in the said posts or columns, shall be done and performed by the said manufacturer or contractor at his own expense, and at any time prior to the setting in place of the said posts or columns. All iron posts or columns shall have solid iron plates on top of each to prevent the passage of smoke or fire through them from one story to another, and the bottom and top of all iron posts and columns, caps and bases shall be made true. No post or column shall be used in any building of a less average thickness of shaft than three-quarters of an inch.

The iron arches, or the usual light castings connecting the columns of an iron front shall be filled in from the soffits to the sills with brick-work not less than eight inches thick.

HEIGHT OF LINTELS. ARCHES OVER OPENINGS.

§ 486. (As amended by section 15, chapter 456, Laws of 1885.) All openings for doors and windows in all buildings, except as otherwise provided, shall have a good and sufficient arch of stone or brick, well built and keyed, and with good and sufficient abutments, or a lintel of stone or iron, as follows: For an opening not more than four feet in width, the lintel shall not be less than eight inches in height; and for an opening not more than six feet in width, the lintel shall not be less than twelve inches in height, and for an opening exceeding six feet in width, and not more than eight feet in width, the lintel shall be of iron or stone, and the full thickness of the wall to be supported; and every lintel over such openings six feet or less in width in all walls shall be not less than four inches thick, if of stone, and shall have a bearing at each end of not less than five inches on the walls; and on the inside of all openings in which the lintel shall be less than the thickness of the wall to be supported, there shall be a good timber lintel on the inside of the other lintel, which shall rest at each end not more than three inches on any wall, and shall be chamfered at each end, and shall have a double row-lock arch turned over said timber lintel; arches built of stone or brick may be turned over openings on a centre, which may be struck after the arch is turned, provided the arch has a good and sufficient rise, and that the piers or abutments are of sufficient strength to bear the thrust of the arch; and arches over openings or fire-places shall be built of good hard brick, laid close joints and well keyed.

IRON SHUTTERS, HOISTWAYS AND WELL-HOLES. ELEVATORS TO BE ENCLOSED IN BRICK WALLS; TO BE INSPECTED.

§ 487. (As amended by section 16, chapter 456, Laws of 1885.) All stores or storehouses or other buildings which are more than two stories, or above twenty-five feet in height above the curb level, already erected, or that may hereafter be built in said city, except dwelling-houses or churches, shall have on their rear and side doors, blinds or shutters made of iron on every window and opening above the first story, and also on their front openings above the first story, if fronting on streets which are less than thirty feet in width.

All occupants of buildings in which such outside shutters are placed shall close the shutters of the rear and side windows, and when front shutters are provided, shall also close the window on each side of the front next the adjoining buildings on each story at the close of business; and all the shutters of the other windows of the front above the first story to remain open and fitted so that they can be closed readily by the firemen, when needed to protect the buildings from fire. Any building hereafter erected, other than a dwelling-house or a fire-proof building, shall not have inside iron shutters to windows above the first story. All windows and openings above the first story may be exempted from having shutters in the manner hereinafter provided.

In any store or building in the city of New York, in which there shall be any hoistway or freight elevator or well-hole, the openings thereof, through and upon each floor of said building, shall be provided with and protected by a substantial railing, and with such good and sufficient trap-doors with which to close the same, or both, as may be directed and approved by the superintendent of buildings, and such railings or trap-doors shall be kept closed at all times, except when in actual use by the occupant or occupants of the building having the use or control of the same. And in all buildings hereafter erected the roof immediately over the said hoistway, elevator or well-hole shall be covered with a skylight of suitable size. All passenger or freight elevator hereafter placed in any building shall be inclosed with solid brick walls extending through and three feet above the roof, having suitable openings in same, and the roof over all elevators shall be made of fire-proof materials, and covered with a glass skylight, and arranged so as to be readily

opened in case of fire; but this requirement shall not apply to such fire-proof buildings as are now or may hereafter be erected in accordance with subdivisions one, two, three and four of section four hundred and ninety-two of this act; nor shall this requirement be construed to include dumb-waiters in dwelling-houses which do not extend over two floors in height.

The superintendent of buildings, by and with the approval of the board of fire commissioners, shall make uniform regulations for the periodical inspection of passenger elevators, with a view to the safety of passengers; and shall also prescribe suitable qualifications for persons who are placed in charge of running passenger elevators. The regulations so made shall require any repairs found necessary upon inspection to be made without delay, and in case defects are found to exist which would endanger life by the continued use of such elevator, then upon notice from the superintendent of buildings the use of such elevator shall cease, and shall not again be used until a certificate shall be first obtained from said superintendent that such elevator has been put in safe order and is fit for use.

CHIMNEYS, FLUES, STEAM-PIPES.

§ 488. (As amended by section 17, chapter 456, Laws of 1885.) All chimneys and all flues in stone or brick walls in any building hereafter erected, altered or repaired, without reference to the purpose for which they may be used, shall have the joints struck smooth on the inside, and no parging mortar shall be used on the inside, and the fire backs of all chimneys hereafter erected shall not be less than eight inches in thickness, of solid masonry. And no tin or other metal flue or flues, pipe or pipes, or register box or boxes, of a single thickness of metal, used and intended to be used to convey heated air in any building hereafter built, altered, or repaired, in any part of said city, shall be allowed unless the same shall be built in a wall of brick or stone; in all other cases the said flue or flues, pipe or pipes, register box or boxes, shall be made double: that is, two pipes, one inside the other, at least one-half an inch apart; and no wooden furring or lath shall be placed against any flue, metal pipe or pipes used to convey heated air or steam in any building; and when any wall shall hereafter be furred or lathed with wood, the space between the lathing and wall shall be filled with plaster or brick, at the top and under sides of the floor beams of each story, so as to prevent fire passing from one floor to another. And no air-flue shall be used at any time as a smoke-flue. No steam-pipe shall be placed within two inches of any timber or woodwork as aforesaid; when the said space of two inches around the steam-pipe is objectionable, it shall be protected by a soapstone or an earthen ring or tube. No base, or flooring, or roofing, or any other woodwork, shall be placed against any brick or other flue, until the same shall be well plastered with plaster of Paris behind such woodwork. All flues in any building shall be properly cleaned and all rubbish removed, and the flues left smooth on the inside upon the completion of all such buildings as aforesaid. No chimney shall be started or built upon any floor or beam constructed of wood, and in no case shall a chimney be corbeled out more than eight inches from the wall, and in all such cases the corbeling shall consist of at least five courses of brick; but if supported by piers, the said piers shall start from the foundation on the same line with the chimney breast, and shall not be less than sixteen inches, on the face, properly bonded into the walls. All hearths shall be supported by arches of stone or brick, and no chimney in buildings already erected or hereafter to be built shall be cut off below in whole or in part and supported by wood, but shall be wholly supported by stone, brick, or iron, and all chimneys in any building or buildings, as aforesaid, already erected or hereafter to be erected or built, or any other chimney or chimneys in any part of said city, which shall be dangerous in any manner whatsoever, shall be repaired and made safe or taken down. Cupola chimneys of foundries shall extend at least five feet above the highest point of any roof within a radius of fifty feet of such cupola, and be covered on top with heavy wire netting.

SMOKE-PIPES THROUGH PARTITIONS, FURNACE SMOKE-PIPES, PORTABLE FURNACES, HOT AIR REGISTERS. CUTTING OF BEAMS FOR PIPES. GAS STOP-COCK IN STREET.

§ 489. (As amended by section 18, chapter 456, Laws of 1885.) No smoke-pipe in any building with wooden or combustible floors and ceilings shall hereafter enter any flue, unless the said pipe shall be at least eighteen inches from either the floors or ceiling; and in all cases where smoke-pipes from stoves pass through stud or wooden partitions of any kind, whether the same be plastered or not, they shall be guarded by either a double collar of metal, with at least four inches air space and holes for ventilation, or by a soapstone ring not less than three inches in thickness and extending through the partition, or by a solid coating of plaster of Paris three inches thick, or by an earthenware ring, three inches from the pipe. In all cases where hot water, steam, hot air or other furnaces are used, the furnace smoke-pipe must be kept at least two feet below the beams or ceiling above the same, unless said beams or ceilings shall be properly protected by a shield or tin plate suspended above said smoke-pipe with sufficient space for the free circulation of air above and below said shield; and the smoke-pipe shall in all cases be kept at least eight inches from the beams or ceilings as aforesaid; and the top of all furnaces set in brick must be covered with brick, slate or tin plate supported by iron bars, and so constructed as to be perfectly tight, said covering to be in addition to and not less than six inches from the ordinary covering to the hot air chamber. If, however, there is not height enough to build the furnace top at least four inches below the floor beams or ceilings, then the floor beams must be trimmed around the furnace and said covering and the trimmers and headers must be at least four inches from the same. The top of every portable furnace not set in brick shall be kept at least one foot below the beams or ceilings with a shield of tin plate, made tight, and suspended below the said beams or ceilings and extending one foot beyond the top of the furnace on all sides. All hot air registers hereafter placed in the floor of any building shall be set in marble, or soapstone borders not less than two inches in width, all borders to be firmly set in plaster of Paris. All floor register boxes to made of tin plate, with a flange on the top to fit the groove in the border; the register to rest upon the same. There shall also be an open space of two inches on all sides of the register box, extending from the under side of the ceiling, below the register to the border in the floor; the outside of said space to be covered with a casing of tin plate, made tight on all sides, to extend from the under side of the aforesaid ceiling up to and turn under the said border. Registers twelve by nineteen inches, or less than fifteen by twenty-five inches, shall have a space of three inches between the register box and casing; registers of fifteen by twenty-five inches and more shall have a space of three and one-half inches. All gas, water, or other pipes which may be introduced into any building shall not be let into the beams unless the same be placed within thirty six inches of the end of the beams; and in no building shall the said pipes be let into the beams more than two inches in depth. In all cases where hot water, steam, hot air or other heating appliances or furnaces are hereafter placed in any building, due notice shall first be given to the superintendent of buildings by the person or persons placing the said furnace or furnaces in said building, or by the contractor or superintendent of said work.

All buildings, other than dwelling-houses, hereafter erected, and all factories, hotels, churches, theatres, school-houses, and other buildings of a public character now erected, in which gas is used for lighting, shall have the gas supply pipe from the street main provided with a stop-cock placed two feet outside of the curb-line and so arranged as to be shut off in the street.

FURNACE AND BOILER FLUES—HOW CONSTRUCTED.

§ 490. (As amended by section 19, chapter 456, Laws of 1885.) In no building, whether the same be a frame building or otherwise, shall any wooden beam, girder or timber be placed on or in a wall, within twelve inches of the inside of any flue, whether the same be a smoke, air or any other flue, nor shall any timber

be placed under any fire-place or hearth-stone, and no base, wainscoting, header or other woodwork shall be placed against any furnace or boiler flue, unless there be at least eight inches of brick-work, and at least one inch of pure plaster of Paris between it and the flue. All furnace flues shall have eight-inch backs or side walls, and the inside four inches from the bottom of the flue to the top of the second tier of floor beams shall be of fire brick laid in a fire-clay mortar, or such flues may be built of fire-clay or iron pipe of suitable size set in fire-clay mortar, provided said pipe be surrounded with an air space of not less than one inch and four inches of brick-work. In case any furnace flue is built in the usual chimney-stack and is opposite to the trimmer arch, then that side of the flue next to the trimmer arch may be four inches thick. All boiler flues shall be lined with four inches of fire brick laid in fire-clay mortar from the bottom of the flue to the height of fifteen feet, or to the top of the second tier of floor beams, and no flue shall be hereafter used as a furnace or boiler flue unless entirely suitable for the purpose, and all such existing flues shall, if defective and out of order or dangerous, be made safe in the manner herein specified.

WOODEN BEAMS; DISTANCE BETWEEN ENDS OF BEAMS IN PARTY WALLS. STIRRUP-IRONS. CARRYING CAPACITY OF FLOORS TO BE POSTED.

All wooden beams and other timbers in the party wall of every building hereafter to be erected or built of stone, brick or iron shall be separated from the beam or timber entering in the opposite side of the wall by at least four inches of solid mason work. No floor beams shall be supported wholly upon any wood partition; but every beam, except headers and tail beams, shall rest at one end four inches in the wall or upon a girder as authorized by this title. And every header or trimmer more than four feet long used in any building, except a dwelling, shall be hung in stirrup-irons of suitable thickness for the size of the timbers. No timbers shall be used in any wall of any building where stone, brick or iron is commonly used, except lintels, as hereinbefore provided. In every building already erected or hereafter to be built, the floors shall be of sufficient strength to bear the weight imposed upon them, exclusive of the weight of the materials used in their construction; and in all storehouses the weight that each floor will safely sustain upon each superficial foot shall be estimated by the owner thereof, and posted in a conspicuous place on each floor thereof; and the weight that may be placed on either of the floors of the said building or buildings shall be safely distributed thereon. And all timbers and beams used in any building hereafter to be constructed, altered or repaired, whether the same be a frame building or otherwise, shall be of good, sound material, free from rot, sap, shakes or rotten knots, and of such size and dimensions as the purposes for which the building is intended require.

STRENGTH OF FLOORS. IRON BEAMS, COLUMNS, ETC., TO BE TESTED. REJECTED BEAMS, COLUMNS, ETC., NOT TO BE USED.

§ 491. (As amended by section 20, chapter 456, Laws of 1885.) In all buildings, every floor shall be of sufficient strength in all its parts to bear safely upon every superficial foot of its surface seventy-five pounds; and if used as a place of public assembly, one hundred and twenty pounds; and if used as a store, factory, warehouse or for any other manufacturing or commercial purpose, from one hundred and fifty pounds and upwards; and every floor shall be of sufficient strength to bear safely the weights aforesaid, in addition to the weight of the materials of which the floor is composed; and every column, post or other vertical support shall be of sufficient strength to bear safely the weight of the portion of each and every floor depending upon it for support, in addition to the weight required as above to be supported safely upon said portions of said floors. In all calculations for the strength of materials to be used in any building, the proportion between the safe weight and the breaking weight shall be as one to three for all beams, girders, and other pieces subject to a cross strain, and shall be as one to six for all posts, columns, and for other vertical supports, and for all tie-rods, tie-beams, and other places subjected to a tensile strain. And the requisite dimensions of each piece

of material is to be ascertained by computation by the rules given by Tredgold, Hodgkinson, Barlow, Trautwine, Hatfield, Haswell, or the treatises of other authors now or hereafter used at the United States Military Academy at West Point, on the strength of materials, using for constants in the rules only such numbers as have been deduced from experiments on materials of like kind with that proposed to be used. Before any iron, beam, lintel, or girder intended to span an opening over eight feet in length, to be used in any building hereafter erected or altered in the city of New York, shall be used for supporting a wall, the manufacturer or founder thereof, or the contractor, shall have the same inspected, and if required, tested as hereinbefore described, or by actual weight or pressure thereon to double the amount which is required to be placed on said beams or girders, under the direction and supervision of an inspector authorized by the superintendent of buildings (who shall be previously notified of the time when and the place where the said test will be made by the person or persons having the said beams, lintels, or girders so tested), whose duty it shall be to have the weight which each of the said beams, lintels, or girders will safely sustain properly stamped or marked in a conspicuous place thereon by the said manufacturer or founder thereof, or the contractor, and no greater weight shall be put or placed upon any said beam, lintel or girder than the same shall be so marked as being capable of sustaining; and in case any said column, beam, girder or lintel shall be rejected by said inspector as unfit to be used, the same shall not be used in, upon, or about any building or part thereof. All iron work used in any building or part thereof hereafter to be erected or altered shall be of the best material and made in the best manner.

BUILDINGS OVER 70 FEET HIGH. TENEMENT OR APARTMENT HOUSES OVER 60 FEET HIGH.

§ 492. (As amended by section 21, chapter 456, Laws of 1885.) Every building hereafter erected (for which plans have not been heretofore filed), the height of which exceeds seventy feet, shall be built fire-proof.

In all fire-proof buildings hereafter to be constructed, where brick walls, with wrought-iron beams or cast-iron or wrought-iron columns with wrought-iron beams, are used in the interior, the following rules must be observed:

1. All metal columns shall be made true and smooth at both ends, and shall rest on cast-iron bed-plates, and have cast-iron caps which shall also be made true. If ordinary brick arches are used between the beams the arches shall have a rise of at least one inch and a quarter to each foot of space between the beams.

2. Under the ends of all iron beams where they rest on the walls, a blue-stone or cast-iron template must be built into the walls, said templates to be eight inches wide, in twelve-inch walls, and in all walls of greater thickness to be twelve inches wide, and such templates if of stone shall not be in any case less than two and one-half inches in thickness, and no template shall be less than twelve inches long.

3. All arches shall be at least four inches thick; arches over five feet span shall be increased in thickness toward the haunches by additions of four inches in thickness of brick; the first additional thickness shall commence at two and a half feet from the centre of the span, the second addition at six and a half feet from the centre of the span, and the thickness shall be increased thence four inches for every additional five feet of span toward the haunches, or the space between the beams may be filled in with sectional hollow brick of burnt clay, or some equally good material, having a depth of not less than one and one-half inches to each foot of span, a variable distance being allowed of not over six inches in the span between the beams.

4. The said brick arches shall be laid to a line on the centres, with close joints, and the bricks shall be well wet, and the joints filled with cement mortar, in proportions of not more than two of sand to one of cement by measure. The arches shall be well grouted and pinned or chinked with slate, and keyed.

All dwelling-houses which are known as tenement or apartment houses, which are arranged for or occupied by two or more families on any floor above the first exceeding sixty feet in height, which may be hereafter built, or buildings which may be hereafter altered to be occupied as above stated, shall have the halls

and stairs inclosed with twelve-inch brick walls, and the floors, stairs and ceilings of the halls shall be made wholly of iron, brick, stone, slate or marble. The stairs of such houses shall extend to the roof, and be inclosed with a bulkhead built entirely of fire-proof materials, as hereinbefore provided.

CORNICES, GUTTERS AND LEADERS.

§ 493. (As amended by section 22, chapter 456, Laws of 1885.) All exterior cornices and gutters of all buildings hereafter to be erected or built shall be of some fire-proof material, and in every case the greatest weight of stone, iron or other material of which the cornices shall be constructed shall be on the inside of the outer line of the wall on which the cornice shall rest, in the proportion of three of wall to two of cornice in weight, allowance being made for the excess of leverage produced by the projection of the cornice beyond the face of the wall; and all fire-proof cornice shall be well secured to the walls with iron anchors, independent of any woodwork, and in all cases the walls shall be carried up to the planking of the roof, and where the cornice projects above the roof, the wall shall be carried up to the top of the cornice, and the party wall shall in all cases extend up above the planking of the cornice and be coped, and all exterior wooden cornices that may now be or that may hereafter become unsafe or rotten shall be taken down, and if replaced, shall be constructed of some fire-proof material; and all exterior cornices of wood or gutters that may hereafter be damaged by fire to the extent of one-third shall be taken down, and if replaced shall be constructed of some fire-proof material; but if not damaged to the extent of one-third, the same may be repaired with the same kind of material of which it was originally constructed. All buildings shall be kept provided with proper metallic leaders for conducting water from the roof in such manner as shall protect the walls and foundations from damage, and in no case shall the water from the said leaders be allowed to flow upon the sidewalk, but shall be conducted by drain-pipe or pipes to the sewer.

PLANKING AND SHEATHING OF ROOFS; DORMER-WINDOWS, SHINGLE ROOFS, SCUTTLE-FRAMES AND COVERS, BULKHEADS, SKYLIGHTS.

§ 494. (As amended by section 23, chapter 456, Laws of 1885.) The planking and sheathing of the roof of every building erected or built as aforesaid shall in no case be extended across the front, rear, side, end or party wall thereof, and every such building and the tops and sides of every dormer-window thereon shall be covered and roofed with slate, tin, zinc, copper or iron, or such other quality of fire-proof roofing as the superintendent of buildings, under his certificate, may authorize, and the outside of the frames of every dormer-window hereafter placed upon any building as aforesaid shall be made of some fire-proof material. And no wooden building hereafter erected or built, or already erected in any part of the said city, more than two stories or above twenty feet in height above the curb level to the highest part thereof, which shall require roofing, shall be roofed with any other roofing or covering except as aforesaid. Nothing in this section shall be construed to prohibit the repairing of any shingle roof, provided the building is not altered in height. All buildings in the city of New York, hereafter to be built, shall have scuttle frames and covers, covered with some fire-proof materials; the frame-work of bulkheads shall be covered with not less than two inches of fire-proof materials and tinned, and doors covered with metal on both sides and edges, and scuttles in all tenement-houses shall have stationary iron ladders leading to the same, and all scuttles or ladders shall be kept so as to be ready for use at all times, and all scuttles shall not be less in size than two by three feet; and if a bulkhead is used or substituted in any building in place of a scuttle, it shall have stairs with sufficient guard or hand-rail leading to the roof; and in case the building shall be a tenement-house, the door in the bulkhead, or any scuttle, shall at no time be locked, but may be fastened on the inside by movable bolts or hooks. All skylights more than three feet square placed in any building, the sash and frame thereof shall be constructed of iron and glass.

FRAME BUILDINGS, FENCES, SIGNS, PIAZZAS, BAY OR ORIEL WINDOWS, PRIVIES. FERRY HOUSES.

§ 495. (As amended by section 24, chapter 456, Laws of 1885.) No frame or wooden building for which a permit has not already been granted by the superintendent of buildings, shall be built, except as hereinafter provided for, south of One Hundred and Forty-ninth street, nor shall any frame tenement-house or frame house for more than two families be built north of One Hundred and Forty-ninth street. This section shall not be construed to prevent the erection of fences of wood eight feet high, or signs over two feet high, piazzas or balconies of wood which do not exceed eight feet in width, and which do not extend more than three feet above the second story floor beams; provided that such piazzas or balconies are open on the front and have brick ends not less than eight inches thick, carried up above the roof and coped with stone. And the roof of all piazzas shall be covered with some fire-proof material. And any bay or oriel window that does not extend more than three feet above the second story floor of any dwelling-house to which the same be attached may be built of wood. All privies not exceeding ten feet square and eight feet high may be built of wood, but the roof must be covered with metal, gravel or slate; and all steamboat or ferry houses or other structures upon or adjoining any pier, slip or bulkhead in said city, shall not be constructed, except in such manner and of such materials as the fire department may determine and designate; and any sign, of whatever material it may be constructed, now erected or that may be hereafter erected on the top of any street front of any building that may now be or that may hereafter become rotten or unsafe, shall be taken down and removed.

FRAME BUILDINGS—RAISING, ALTERING OR REMOVING.

§ 496. (As amended by section 25, chapter 456, Laws of 1885.) It shall not be lawful for the owner or owners of any brick front or wooden buildings already erected in said city that has a peak roof, to raise the same for the purpose of making a flat roof thereon, unless the same be raised with the same kind of material as the building, and except that such new roof be covered with some of the articles mentioned in the four hundred and ninety-fourth section of this act, and unless all such buildings when so raised shall not exceed forty feet in height to the highest part thereof, and all such brick dwelling-houses that have eight-inch walls, the said wall shall not exceed forty feet in height; and also provided that all such dwelling-honses exceed twenty-five feet in height to the peak before the said alterations. If any such building shall have been built before the street upon which it is located is graded, or if the grade is altered, all such buildings may be raised or lowered to meet the requirements of such grade. And no brick front or wooden building whatsoever in said city shall be enlarged or built upon, unless the exterior walls of said addition or enlargement be constructed of fire-proof materials; provided, however, that such brick front or wooden building only may be raised or lowered or altered under the same circumstances, and in the same manner especially provided for in this section; and no wooden building shall be removed until a sworn petition setting forth the purposes of said removal and the uses to which said building is to be applied is filed in the office of the superintendent of buildings, and the written consent of said superintendent is first obtained therefor.

FRAME BUILDINGS—DAMAGED ONE-HALF.

§ 497. (As amended by section 26, chapter 456, Laws of 1885.) Every wooden or frame building with a brick or other front situated in the said city which may hereafter be damaged by fire or otherwise, to an amount not greater than one-half of the value thereof at the time of such damage, may be repaired or rebuilt; but if such damage shall amount to more than one-half of such value thereof, exclusive of the value of the foundation, then such building shall not be repaired or rebuilt, but shall be taken down. The amount and extent of such damage, by fire

or otherwise, shall be determined by one surveyor appointed by said superintendent of buildings, and one surveyor appointed by the owner or owners of said premises; and in case these two do not agree, they shall appoint a third party, and a decision of a majority of them, reduced to writing and sworn to, shall be conclusive, and such building shall in no manner be repaired or rebuilt until after such decision shall have been rendered. And no frame building now used as a dwelling shall be hereafter altered or used as a factory, warehouse, or any other purpose, except the same be altered to conform to the provisions of this title.

ENLARGING, ALTERING, ETC., OF BUILDINGS.

§ 498. (As amended by section 27, chapter 456, Laws of 1885.) No building already erected, or hereafter to be built in said city, shall be enlarged, raised, altered or built upon in such manner, that were such building wholly built or constructed after the passage of this act, it would be in violation of any of the provisions of this title. And before any building built of stone, brick or iron, or any wooden building with or without a brick front, in any part of said city shall be enlarged, raised, altered or built upon, the same shall be first examined by said fire department to ascertain if the building or buildings, or either of them, are in good and safe condition to be enlarged, raised, altered or built upon; and no such building as aforesaid shall be enlarged, raised, altered or built upon, until after such examination and decision; and the decision of said fire department under such examination shall be final and conclusive in the premises, and shall be made without delay.

FIRE-ESCAPES; PENALTY FOR OBSTRUCTING.

§ 499. (As amended by section 28, chapter 456, Laws of 1885.) All dwelling-houses now erected, or that may herafter be erected more than two stories in height, occupied or built to be occupied by two or more families on any floor above the first, and all building already erected more than three stories in height, occupied or used as a hotel, boarding or lodging-house, or any factory, mill, offices, manufactory or workshop, shall be provided with such good and sufficient fire-escapes or other means of egress in case of fire as shall be directed by the superintendent of buildings, and said superintendent shall direct such means of egress to be provided in all cases. And the owner or owners of any building upon which any fire-escape may now be, or may hereafter be erected, shall keep the same in good repair and well painted, and no person shall at any time place any incumbrance of any kind whatsoever before or upon any said fire-escape, from any building in said city.

The occupants of all dwelling-houses or factories, to which outside fire-escapes are attached, shall keep the same free and clear of all incumbrances, and it shall be the duty of all firemen, policemen and every officer of the bureau of inspection of buildings who shall discover any fire-escape, balcony or ladder of any fire-escape incumbered in any way, after a notice to remove (any incumbrance) and keep the same clear shall be given and a failure to comply (therewith, to) apply to the nearest police magistrate for a warrant to arrest the occupant or occupants of said premises of which the fire-escape forms a part, and the parties shall be brought before said magistrate, and if the case of obstruction be proved, the parties whose duty it is to keep them free shall be fined not more than ten dollars for each offence, or may be imprisoned not to exceed ten days in the city prison, or both, in the discretion of said magistrate.

In constructing all balcony fire-escapes, the manufacturer thereof shall securely fasten thereto, in a conspicuous place, a cast-iron plate having suitable raised letters on same, to read as follows: Notice! Any person placing any incumbrance on this balcony is liable to a penalty of ten dollars and imprisonment for ten days.

STAIRWAYS, SEATS, AISLES, SKYLIGHTS, IN PLACES OF AMUSEMENT AND INSTRUCTION.

In all places of public amusement and instruction, already erected, the halls, doors, stairways, seats and aisles shall be so arranged as to facilitate egress in cases of fire or accident, as the superintendent of buildings, with the concurrence of the board of fire commissioners, may deem necessary for the public protection in such cases; and all aisles and passageways in said building devoted to purposes of amusements or instruction shall be kept free from camp-stools, chairs, sofas, stoves or any other obstructions, and no person or persons shall be allowed to stand in or occupy any of the aisles or passageways during any performance, service, exhibition, lecture, concert, ball, or any public assemblage; and the superintendent of buildings, with the concurrence of the board of fire commissioners, may make uniform regulations binding upon the owner, lessee, or manager of any of said buildings, directing any act or thing to be done, in or about the arrangement of said buildings, and the several appliances therewith connected, such as halls, doors, stairs, windows, seats, aisles, skylights, fire-walls and fire-escapes, as the superintendent may deem necessary, to afford the greatest possible security to the public, in the uses to which they may be severally applied, and the owner, lessee or manager of any place of amusement or instruction shall put in such water-pipes and apparatus and arrange the gas-lights and water-pipes as the commissioners of the fire department may deem necessary for the public safety. Nothing herein contained shall be construed to authorize or require any other alterations to existing theatres than are specified in this section.

THEATRES, OPERA-HOUSES, CONCERT-HALLS, ETC. — CORRIDORS, BALCONIES AND STAIRCASES IN SAME.

§ 500 (As amended by section 29, chapter 456, Laws of 1885.) Every theatre or opera-house, concert-hall or other building, intended to be used for theatrical or operatic purposes, or for concerts, lectures or public entertainments of any kind, hereafter erected, or which may be altered to be used for such purposes in the city of New York, shall be built in compliance with the following regulations relating to its structure, and no building hereafter erected for the aforesaid purposes shall be opened to the public, until the same has been approved of as conforming with the requirements of this title, by the superintendent of buildings, and the fire commissioners, respectively, and the mayor of the city of New York shall refuse to license and shall close the same, and prevent its opening until a certificate is given by the said superintendent and fire commissioners respectively that the building is according to the provisions of this title. Every theatre, opera-house or building hereafter erected for theatrical, operatic or for any public amusement, or the remodelling of any building for the aforesaid purposes shall have at least one front on the public highway or street, and in such front there shall be suitable means of entrance and exit for the audience. In addition to the aforesaid entrances and exits on the public highway there shall be reserved for service in case of an emergency, in every and all such buildings, an open space equal to one-sixth of the width of the building, outside to outside measurement, and in no case less than eight feet in width in the clear in its narrowest part on the one side not bordering on the street where said building is located on a corner lot; and on both sides of said building where there is but one frontage on the street or public highway. Said open space to begin from the line of the proscenium wall and to extend the full length of the auditorium proper to the wall separating the same from the entrance lobby or vestibule. A separate and distinct corridor shall continue to the street from each space through such superstructure as may be built on the street side of of the auditorium, said corridor to be reduced in width not more than may be required for the thickness of the outer wall forming one side of said corridor. The openings into and out of said corridor shall not be reduced in width more than three feet less than the width of said open space, said openings to be provided with doors or gates opening toward the street; the outer or street doors or gates shall

not project beyond the street line when opened. Recesses not exceeding four inches in depth may be left in the walls on each side to receive said gates when opened. During the performance said doors or gates shall be kept open by strong locks; at other times they may be closed and fastened by movable bolts or locks. The said open space and corridors are not to be used for storage purposes or for any purpose whatsoever except for the several suits from the auditorium and stage, and must be kept free and clear during a performance. The said corridor shall have continuous walls of brick on each side the entire length. The level of said corridor shall not be greater than one step above the level of the sidewalk where it begins at the street entrance. To overcome any difference of level existing between exits from the parquet and stage and level of corridor, gradients shall be employed of not over one foot in ten feet with no perpendicular risers. From the auditorium opening into the said open space there shall be two exits on each side (unless one side is on the street, in which case there may be more than two if desired) in each tier, from and including the parquet and each and every gallery. Each exit to be at least five feet in width in the clear, and provided with doors of iron or wood; if of wood, to be covered with iron or tin, both sides and edges. All of said doors shall open outward and must be fastened with movable bolts, the bolts to be kept drawn during a performance. There shall be a balcony not less than four feet in width in the said open space or spaces at each level or tier, above the parquet on each side of the auditorium, of sufficient length to embrace the two exits, and from said balconies there shall be staircases extending to the ground level, with a rise of not over eight and one half-inches to a step and not less than nine inches tread. The staircase from the upper balcony to the next below must be not less than thirty inches in width in the clear, and from the first balcony to the ground not less than four feet in width in the clear. All the before-mentioned balconies and staircases shall be constructed of iron throughout, including the floor of said balconies, and of ample strength to sustain the load to be carried. Where one side of said building borders on a street there shall be balconies of like capacity with staircases carried to the ground, and all to be constructed of fire-proof materials approved by the superintendent of buildings.

THEATRES, ETC., NOT TO BE USED AS HOTEL, FACTORY OR STORAGE, ETC. EXTERIOR, INTERIOR AND PROSCENIUM WALLS. ORCHESTRA OVER STAGE.

No portion of any building hereafter erected, used or intended to be used for theatrical or other purposes, as in this section specified, shall be occupied or used as a hotel, boarding and lodging house, factory, workshop, or manufactory, or for storage purposes, except as may be hereafter specially provided for. Said restriction relates not only to that portion of the building which contains the auditorium and the stage, but applies also to the entire structure in conjunction therewith. No workshop, storage or general property room shall be allowed above the auditorium or stage, or under the same, or in any of the fly galleries. All of said rooms or shops may be located in the rear or at the side of the stage, but in such cases they shall be separated from the stage by a brick wall, and the openings leading into said portions shall have wrought-iron doors on each side of the openings, and hung to iron eyes built into the wall. No store or room contained in the building shall be let or used for carrying on any business dealing in articles designated by insurance companies as hazardous or extra hazardous materials. No lodging accommodations, except for the janitor, shall be allowed in any part of the building communicating with the auditorium. The exterior walls of all theatres shall be built of stone or brick, and any facades or front constructed of iron filled in with brick of such thickness as to make the brick-work, independent of the facing, conform as to thickness with the requirements of this title. Interior walls of masonry, hereafter described, shall separate the auditorium from the stage, from the entrance vestibule, and from any room or rooms over the same, also for any lobbies, corridors, refreshment or other rooms. All staircases shall be inclosed with brick walls or with fire-proof materials, approved by the superintendent of buildings, in the stories through which they pass, and the opening of said staircases from each tier shall be the full width of said staircases. A fire-wall, to be built of

brick, shall separate the auditorium from the stage, and the same shall extend at least four feet above the roof, and shall be coped. Above the proscenium opening there shall be an arch of fire-proof materials or an iron girder covered with fire-proof materials to protect it from the heat; if a girder, there shall be constructed a relieving arch over the same, the intervening space to be filled in with hollow bricks of the full thickness of the wall. The brick wall shall then be carried up above the roof, as above-mentioned. Should, however, there be constructed an orchestra over the stage above the proscenium opening, either used in conjunction with the theatre or otherwise, as the case may be, then the said orchestra shall be placed on the auditorium side of the proscenium fire-wall, and shall be entered only from the auditorium side of said wall. The moulded frame around the proscenium opening shall be formed in metal or plaster, and filled in solid with non-combustible materials, and securely anchored to the wall with iron.

THEATRES, ETC.; SHAFTS ABOVE STAGE, SKYLIGHTS, DOORS, OPENINGS IN PROSCENIUM WALL, LADDERS, FLOORS, WAINSCOTING, WALLS AND PARTITIONS OF DRESSING ROOMS, DOORS IN PARTITIONS, SHELVING AND CUPBOARDS IN ROOMS, STAGE, FLY GALLERIES, STAGE SCENERY, PROSCENIUM CURTAINS, SEATS, AISLES, ETC., CAPACITY OF LOBBIES, ETC.

A shaft or shafts shall be provided over the stage, to and out of the roof, made of fire-proof materials throughout, and of an area or combined area of at least one-eighth of said stage, fitted up with skylights having sliding sash and glazed with double thick sheet glass, not exceeding one-eighth of an inch thick, and each pane measuring not less than three hundred square inches, and the whole of which skylights shall be so constructed as to open instantly on the cutting or burning of a hempen cord, which shall be arranged to hold said skylights closed, or some other equally simple approved device for opening them may be provided.

All doorways or openings through the proscenium wall, in every tier, shall have wrought-iron or heavy wood doors on each face of the wall (if the doors are of wood, then to be covered with iron or tin on both sides and on the edges), which can be opened from either side at all times. Direct access to these doors shall be provided on both sides, and the same shall always be kept free from any incumbrance. Wrought-iron ladders, securely fixed to the wall on the stage side, shall be provided to overcome any difference of level existing between the floor or galleries on the stage side of the fire wall and those on the side of the auditorium. All walls separating the auditorium from any vestibule, refreshment or other rooms shall be built of brick or stone. The entire main floor of the auditorium and vestibule, also the entire floor of the second story of the front superstructure over the entrance lobby and corridors shall be fire-proof, and the partitions in that portion of the building which contains the auditorium, the entrance vestibule or any room or passage devoted to the use of the audience, shall be constructed of fire-proof materials, and none of the walls or ceilings shall be covered with wood sheathing or canvas; but this shall not exclude the use of wood wainscoting to a height not to exceed six feet, which shall be filled in solid between the wainscoting and the wall with fire-proof materials. The walls separating the actors' dressing-rooms from the stage and the partitions dividing the dressing-rooms, together with the partitions of any passage from the same to the stage, and all other partitions on or about the stage shall be constructed of some fire-proof material approved by the superintendent of buildings. All doors in any of said partitions shall be constructed of wood and covered with iron or tin on both sides and edges, including the frame to which the doors are hung. All the shelving and cupboards in each and every dressing-room, property room or other storage rooms shall be constructed of metal, slate, or some fire-proof material. All that portion of the stage not comprised in the working of scenery, traps and other mechanical apparatus for the presentation of a scene, usually equal to the width of the proscenium opening, shall be built of iron beams filled in between with fire-proof material, and all girders for the support of said beams shall be of wrought-iron. The ceiling or under side of the fly galleries shall be covered with iron or tin over the entire exposed woodwork. All stage scenery, curtains and decorations made of combustible material, and all

woodwork on or about the stage shall be saturated with some non-combustible material or otherwise rendered safe against fire, to the satisfaction of the commissioners of the fire department of the city of New York. The proscenium curtain shall be placed at least three feet distant from the footlights at the nearest point. The proscenium opening shall be provided with a fire-proof metal curtain or a curtain of asbestos or similar fire-proof material; and if of metal it may be made with an iron frame, well braced, in sections, and sliding at each end within iron grooves securely fastened to the brick wall, and each section to be filled in with wire meshwork, the meshes being not over one inch, and the wire being not less than number fourteen, American gauge; or some other approved construction of sliding or rolling metal curtain may be used. Said fire-proof curtain shall be raised at the commencement of each performance and lowered at the close of said performance, and to be operated by approved machinery for that purpose. All seats in the auditorium, excepting those contained in the boxes, shall be firmly secured to the floor, and no seat in the auditorium shall have more than six seats intervening between it and an aisle, and no camp-stools shall be placed in any aisle. All aisles in the auditorium shall have at least a width of twenty-two inches for every one hundred persons or part thereof, and no aisle shall be less than three feet wide at its narrowest part, and the same shall be increased in width toward the exit, at least one inch for every five running feet or part thereof. Every doorway of communication between aisles in the auditorium, and any lobby, corridor or passage shall have a clear opening of not less than the full width of the aisle leading to such doorway. The aggregate capacity of the lobbies, corridors, passages and rooms for the use of the audience must, on each floor or gallery, be sufficient to contain the entire number to be accommodated on said floor or gallery, in the following ratio, viz.: two hundred and fifty superficial feet of floor room to be allowed for every one hundred persons.

THEATRES, ETC. GRADIENTS, HAND-RAILS, STAIRWAY-PASSAGES, NUMBER OF EXITS REQUIRED. STAIRS TO BE FIRE-PROOF; STAIRCASES FOR GALLERIES AND STAGE.

Gradients or inclined planes, as heretofore described, shall be employed instead of steps where possible, to overcome slight differences of level in or between aisles and passages. All inclosed passages, corridors and staircases shall have on both sides a strong hand-rail, firmly secured in the wall about three inches distant therefrom, and about three feet above the floor or stairs. No passage leading to any stairway communicating with any entrance or exit shall be less than four feet in width in any part thereof. Every theatre accommodating three hundred persons shall have two exits at least; when accommodating five hundred persons, at least three exits shall be provided, and no doorway of exit or entrance for the use of the public shall be less than five feet in width, and for every additional one hundred persons or portions thereof to be accommodated in excess of five hundred, twenty inches additional exit width must be allowed; all doors of exit or entrance shall open outward, and no such doors shall be closed and locked during any representation, or when the building is open to the public.

Distinct and separate places of exit and entrance shall be provided for each gallery above the first. A common place of exit and entrance may serve for the main floor of the auditorium and the first gallery, provided its capacity be equal to the aggregate capacity of the outlets from the main floor and the said gallery. All stairs shall be constructed of fire-proof material throughout. Stairways serving for the exit of fifty people must, if straight, be at least four feet wide between rails, and if curved or winding, five feet wide, and for every additional fifty people to be accommodated, six inches must be added to their width. In no case shall the risers of any stairs exceed seven and a half inches in height, nor shall the treads be less than eleven inches wide in straight stairs. In circular or winding stairs the width of the tread at the narrowest end shall not be less than seven inches. At least two independent staircases, with direct exterior outlets, shall be provided for each gallery in the auditorium, and the same shall be located on opposite sides of said gallery. At least two independent staircases, with direct exterior outlets,

shall also be provided for the service of the stage, and shall be located on the opposite sides of the same. All stairways leading to the upper galleries of the auditorium shall be inclosed between walls of masonry on both sides. Stairs leading to the first or lower gallery may be left open on one side, in which case they must be constructed, as herein provided for in similar stairs leading from the entrance hall to the main floor of the auditorium. But in no case shall stairs leading to any gallery be left open on both sides. When straight stairs return directly on themselves, a landing of the full width of both flights, without any steps, must be provided. Stairs turning at an angle must have a proper landing at said turn introduced without winders. In stairs, when two side flights connect with one main flight, no winders shall be introduced, and the width of the main flight shall at least be equal to the aggregate width of the side flights. Circular or winding stairs shall have proper landings introduced at convenient distances.

THEATRES, ETC.; STEAM BOILER, STAND-PIPES, STEAM PUMPS, AUTOMATIC SPRINKLERS, HOSE, BUCKETS, HAND-PUMPS, AXES.

Any steam boiler which may be required for heating or other purposes shall be located outside of the building, and the space allotted to the same shall be inclosed by walls of masonry on all sides, and the ceiling shall be constructed of fire-proof materials; all doorways in said walls to have wrought-iron doors.

Stand-pipes shall be provided with hose attachments on every floor and gallery, as follows, namely: One on each side of the auditorium in each tier; also one on each side of the stage in each tier, and at least one in the property-room and one in the carpenter's shop, if the same be contiguous to the theatre, and all kept clear from obstruction. Said stand-pipes shall be kept constantly filled with water by means of an automatic steam pump or pumps of sufficient capacity to supply all the lines of hose when operated simultaneously, and said pump or pumps shall be ready for immediate use at any time during a performance in said building. Said stand-pipes shall also connect with a separate and distinct system of automatic sprinklers with fusible plugs, approved by the commissioner of the fire department; said sprinklers to be placed up and around the proscenium opening and on the ceiling or roof over the stage at such intervals as will protect every square foot of stage surface when said sprinklers are in operation. A proper and sufficient amount of hose, not less than fifty feet, shall be kept always attached to each hose attachment. There shall also be kept in readiness for immediate use on the stage buckets of water, hand-pumps or other portable fire-extinguishing apparatus, and at least four axes on each tier or floor.

THEATRES, ETC.; GAS-MAINS, INTERIOR GAS-LIGHTS, BRACKET-LIGHTS, FOOT-LIGHTS. REGULATIONS, AND DIAGRAM OF EXITS TO BE POSTED.

Every portion of the building devoted to the uses or accommodation of the public, also all outlets leading to the highway, shall be well and properly lighted during every performance, and the same shall remain lighted until the entire audience has left the premises. Gas-mains supplying any theatre shall have independent connections for the auditorium and the stage, and provisions shall be made for shutting off the gas from the outside. When interior gas-lights are not lighted by electricity, other suitable appliances, to be approved of by the fire commissioners, must be provided. All suspended or bracket-lights surrounded by glass, in the auditorium, or in any part of the building devoted to the public, shall be provided with a proper wire netting underneath. All lights in passages and corridors, and wherever deemed necessary by the commissioners of the fire department, shall be protected with proper wire net-work. The foot-lights, in addition to the wire net-work, shall be protected by a strong wire guard not less than two feet distant. All border lights shall be constructed according to the best known methods, and subject to the approval of the commissioners of the fire department. All ducts or shafts used for conducting heated air from the main chandelier, and from any other light or lights, shall be constructed of metal and made double, with an air space between. All stage lights shall have strong metal wire guards or screens so con-

structed that any material in contact therewith shall be out of reach of the flames. In some conspicuous place on every gallery or floor the regulations for the protection of the public against fire or other accidents shall be posted, together with a diagram or plan of said gallery or floor, showing distinctly the exits therefrom, and every exit shall have over the same, on the inside, the word "Exit" painted in legible letters not less than eight inches high.

The stand-pipes, gas-pipes, hose, foot-lights and all apparatus for the extinguishing of fires or guarding against the same, as in this section specified, shall be in charge of the fire department, and the commissions are hereby directed to see that the arrangements in respect thereto are carried out and enforced.

PERSONS BURIED IN RUINS TO BE REMOVED AT EXPENSE OF OWNER OF PREMISES.

Hereafter, upon the occurrence of a fire in any building in the city of New York, where persons are known to be buried under the ruins, the owner or agent of the building or land shall, when required by a notice from the chief of the fire department, immediately have the same removed so as to make an examination of the premises for the recovery of the killed and injured, and for failure to commence said work in five hours after said notice has been served on said owner or agent, in person or by posting the said notice on the premises, the said chief shall employ laborers and the comptroller is authorized to advance the funds to go on with the work until completed, and the expense of the same shall be a valid claim on the owner of the land, and the attorney to the fire department is hereby authorized and directed to commence suit for the expense incurred.

WALLS MADE UNSAFE BY FIRE TO BE REMOVED.

And hereafter, upon the occurrence of a fire in any building in the city of New York, when it is found by the superintendent of buildings that walls or portions of walls left standing are dangerous and unsafe, or liable to become dangerous or unsafe, the owner or agent of the building or land shall, when required by notice from the superintendent in writing, immediately have the same removed, and for failure to commence the said work within five hours after said notice has been served upon said owner or agent in person or by posting the said notice on the premises, the superintendent of buildings shall employ laborers and the comptroller is authorized to advance the funds to go on with the work until completed, and the expense of same shall be a valid claim on the owner of the land, and the attorney to the fire department is hereby authorized and directed to commence suit for the expense incurred.

FRAME BUILDINGS MAY BE ERECTED NORTH OF ONE HUNDRED AND FORTY-NINTH STREET.

Nothing in this title contained shall be so construed as to prohibit the building of frame buildings with shingle roofs and eight-inch brick foundation walls under the same, in the twelfth, twenty-third and twenty-fourth wards north of One hundred and Forty-ninth street. Building of brick not exceeding two stories in height above the basement may also be erected in said district, having basement walls twelve inches in thickness and walls above the basement eight inches in thickness, constructed of hard brick and good mortar.

§ 502. (Repealed by section 43, chapter 456, Laws of 1885.)

SPECIFICATIONS TO BE FILED. AFFIDAVIT TO ACCOMPANY APPLICATION. ORDINARY REPAIRS.

§ 503. (As amended by section 30, chapter 456, Laws of 1885.) Before the erection, construction or alteration of any building or part of any building in the city of New York is commenced, the owner or his agent or architect shall submit

to the superintendent of buildings a detailed statement in writing of the specifications, and a full and complete copy of the plans of such proposed work, which shall be accompanied with a statement in writing, sworn to before a notary public or commissioner of deeds, giving the full name and residence (street and number) of the owner, or of each of the owners of said building, or proposed building. If such erection, construction or alteration is proposed to be made by any other person than the owner or owners of the land in fee, the person or persons intending to make such erection or alteration shall accompany said detailed statement of the specifications and plans with a statement in writing, sworn to as aforesaid, giving the full name and residence (street and number) of the owner or owners of the land, and also of every person interested in said building, or proposed building, either as owner, lessee or in any representative capacity. Such statement may be made by the agent or architect of the person or persons hereinbefore required to make the same. Said sworn statement, or detailed statement, and copy of the plans and specifications shall be kept on file in the office of the said superintendent of buildings, and the erection, construction or alteration of said building, or any part thereof, shall not be commenced or proceeded with until said statement shall have been so filed and said specifications and plans have been approved by said superintendent of buildings. But the superintendent may, in his discretion, and for reasons to be stated in writing by the applicant, and filed with the plans and specifications, dispense with the making of said statement in any case. Nothing in this section shall be construed to prevent the superintendent of buildings from granting his approval for the erection of any part of the work on a building where plans and specifications have been presented for the same before the entire plans and specifications of said building have been submitted for his approval. Any false swearing in a material point in any statement submitted in pursuance of the provisions of this section shall be deemed perjury, and shall be punished as such. Ordinary repairs may be done without a permit, but such repairs shall not be construed to mean the cutting away of any stone or brick wall or beams or any supports.

POWERS OF SUPERINTENDENT OF BUILDINGS. BOARD OF EXAMINERS. BUILDINGS ON WHARFS AND BULKHEADS.

§ 504. (As amended by section 31, chapter 456, Laws of 1885.) The superintendent of buildings shall have full power (except as herein otherwise provided for) in passing upon any question relative to the mode, manner of construction or materials to be used in the erection or alteration of any building or other structure provided for in this title, in any part of the city of New York, to make the same to conform to the true intent and meaning of the several provisions hereof. He shall also have power to vary or modify the provisions of this title, upon application therefor in writing, only in case of alteration of old buildings, or the use of party walls belonging to different owners, where the same cannot be taken down, and where there are practical difficulties in the way of carrying out the strict letter of this law, so that the spirit of the law is observed, the public safety secured, and substantial justice done; but no such deviation shall be permitted except a record of the same shall be kept by the said superintendent of buildings, and a certificate be first issued to the party applying for the same; such certificate shall not be issued until a board of examiners consisting of a member of the New York chapter of American Institute of Architects, one member of the New York Board of Underwriters, two members of the Mechanics and Traders' Exchange of said city, one member of the Society of Architectural Iron Manufacturers of said city, and one member of the Real Estate Owners and Builders' Association of said city, who shall be an architect or builder, all of whom shall be appointed by their respective organizations (and so certified to annually to said superintendent of buildings) shall also approve the proposed modifications of the law. The said examiners shall each take the usual oath of office before entering upon the performance of their duties. The superintendent shall be ex-officio a member of said board and be chairman thereof. No vote of concurrence shall be passed by said board unless the same shall receive four affirmative votes. In cases in which it is claimed by an owner, in person or by his representative, that the provisions of this title do not

directly apply, or that an equally good and more desirable form of construction can be employed in any specific case than that required by this title, then such person shall have the right to present a petition to the board of examiners, and may appear before said board and be heard; and said board shall consider such petition in its regular order of business, and as soon as practicable render a decision thereon. The said board of examiners are hereby authorized and empowered to grant or reject such petition, and their decision shall be final. If such decision is favorable to said petitioner a certificate shall be issued by the superintendent of buildings in accordance therewith. No member of said board shall pass upon any question in which he is pecuniarily interested. The said board shall meet once in each week upon notice from the superintendent of buildings. The chief clerk in the office of the superintendent of buildings shall be clerk of said board, and shall keep a record of its proceedings, which shall be kept in the office of the superintendent of buildings. The members of said board, excepting the superintendent, shall each be entitled to and shall receive ten dollars for each attendance of a meeting of said board, to be paid by the comptroller from the contingent fund upon the voucher of the superintendent of buildings, certified to by the board of fire commissioners. No permit for the erection of any building on the wharves, piers, or bulkheads shall be granted unless the same be also approved by the board of examiners.

PENALTIES FOR VIOLATION OF LAW — MAY BE REMITTED — HOW COLLECTED. JUDGMENT TO BE A LIEN AGAINST PROPERTY.

§ 505. (As amended by section 32, chapter 456, Laws of 1885.) The owner or owners of any structure, staging, building, or part thereof, of any kind whatever upon which any violation of this title may be placed or shall exist, whether he or they be the owner or owners of the land in fee or not, or be the lessee or lessees thereof, or has or have a qualified or contingent interest therein, by virtue of some agreement or contract in writing, or in any other manner, and any master architect or architects, builders, carpenters, or masons who may be employed or assist therein, and any and all persons who shall violate any of the provisions of this title, or fail to comply therewith, or any requirements thereof, or shall in any manner be liable therefor, shall severally, for each and every such violation and noncompliance, respectively, forfeit and pay a penalty in the sum of fifty dollars, and any and all persons who shall violate any of the provisions of this title, or who may be employed or assist therein, or who shall be liable therefor, shall severally, for every such violation not removed or requirements not complied with within ten days after notice thereof shall be given to him or them, respectively, forfeit and pay an additional penalty in the sum of fifty dollars, for the recovery of which said penalties, or either of them, an action may be brought in any court of competent jurisdiction; and whenever any judgment shall be rendered therefor, the same shall be collected and enforced as prescribed and directed by the Code of Civil Procedure of the State of New York. The fire department is hereby authorized in its discretion, good and sufficient cause being shown therefor, to remit any fine or fines, penalty or penalties, which any person or persons may have incurred, or may hereafter incur, under any of the provisions of this title; but no fine or penalty shall be remitted for any such violation until the violation shall have been removed.

§ 506. (As amended by section 33, chapter 456, Laws of 1885.) All courts of civil jurisdiction in the city of New York shall have cognizance of and jurisdiction over all suits and proceedings by this title authorized to be brought for the recovery of any penalty and the enforcement of any of the several provisions of this title, and shall give preference to such suits and proceedings over all others, and any court of record in said city, or any judge or justice thereof, shall have power at any time after the service of notice of the violation of any of the provisions of this title, and upon the affidavit of the (inspector or)superintendent of buildings, to restrain, by injunction order, the further progress of any violation named in this title, and no undertaking shall be required as a condition to the granting or issuing of such injunction or by reason thereof; and all courts in which any such suit, suits, or proceedings are instituted shall, upon the rendition of a verdict, report of a referee,

or decision of a judge or justice, for any penalty or penalties, render judgment for the amount of such penalty or penalties and costs; and the said judgment, so rendered, shall be and become a lien upon the premises named in the complaint in any such action, to date from the time of the filing in the county clerk's office in the city of New York of a notice of lis pendens therein; which lien may be enforced against said property in every respect, notwithstanding the same may be transferred subsequent to filing the said notice. In no case shall the said fire department, or any officer thereof, or the corporation of the city of New York, be liable for costs in any action, suit, or proceeding that may have been or may hereafter be instituted or commenced by said department in pursuance of this title.

NOTICES OF VIOLATION.

§ 507. (As amended by section 34, chapter 456, Laws of 1885.) All notices of the violation of any of the provisions of this title and all notices directing anything to be done, required by this title, and all other notices that may be required or authorized to be issued thereunder, including notice that any building, structure, premises, or any part thereof, are deemed unsafe or dangerous, shall be issued in the name of the fire department of the city of New York, and shall have the name of the superintendent of buildings affixed thereto, and may be served by any officer or employee of the said department, or by any person authorized by the said department; all such notices and any notice or order issued by any court in any proceeding instituted by the attorney to said department to restrain or remove any violation, or to enforce compliance with any provision or requirement of this title, may be served by leaving a copy of the same with any person or persons violating, or who may be liable under any of the several provisions of this title, or to whom the same may be addressed; and if such person or persons cannot be found after diligent search shall have been made for him or them, then such notice or order may be served by posting the same in a conspicuous place upon the premises where such violation is alleged to have been placed or to exist, or to which such notice or order may refer, or which may be deemed unsafe or dangerous, which shall be equivalent to a personal service of said notice upon all parties having any interest in said premises, or to whom such notice or order may be addressed, or who may be liable for any violation under any of the provisions of this title; and such notice or order shall contain a description of the building, premises, or property upon which such violation shall have been put or may exist, or which may be deemed unsafe or dangerous, or to which such notice or order may refer.

CONTINUED VIOLATION A MISDEMEANOR.

§ 508. Any and all persons who, after having been personally served with the notice of violation as hereinbefore prescribed, shall fail to comply therewith, and shall continue to violate any of the several provisions of this title, or who shall be accessory thereto, shall, in addition to the other penalty or penalties in this title provided, be deemed guilty of a misdemeanor, and, upon a complaint being made by the superintendent of buildings before any police justice or any court of criminal jurisdiction within the city of New York, shall be arrested and held to bail by said justice or said court, and, upon conviction of such offence, shall be fined in a sum not exceeding two hundred and fifty dollars, or may be imprisoned for a term not to exceed six months; said fine or imprisonment to be imposed in the discretion of the judge, justice, or court by whom said person so arrested and held to bail shall be tried; and said criminal courts, and the judges thereof, respectively, are hereby authorized to act and do as aforesaid.

UNSAFE BUILDINGS; NOTICES TO BE SERVED.

§ 509. (As amended by section 35, chapter 456, Laws of 1885.) Any building or buildings, part or parts of a building, staging, or other structure in the city of New York that from any cause may now be, or shall at any time hereafter become,

dangerous or unsafe may be taken down and removed, or made safe and secure in the manner following. Immediately upon such unsafe or dangerous building or buildings, or part or parts of a building, staging, or structure being so reported by any of the officers of said fire department, the same shall be immediately entered upon a docket of unsafe buildings, to be kept by said superintendent; and the owner, or some one of the owners, executors, administrators, agents, lessees, or any other person or persons who may have a vested or a contingent interest in the same, may be served with a printed or written notice containing a description of the premises or structure deemed unsafe or dangerous, requiring the same to be made safe and secure, or removed, as the same may be deemed necessary by the said department, which said notice shall require the person or persons thus served to immediately certify to the superintendent of the said department his or their assent or refusal to secure or remove the same.

§ 510. (As amended by section 36, chapter 456, Laws of 1885.) If the person or persons so served with notice shall immediately certify his or their assent to the securing or removal of said unsafe or dangerous building, premises, or structure, he or they shall be allowed until one o'clock P. M. of the day following the service of such notice in which to commence the securing or removal of the same; and he or they shall employ sufficient labor and assistance to secure or remove the same as expeditiously as the same can be done; but upon his or their refusal or neglect to comply with any of the requirements of said notice so served, then a further notice shall be served upon the person or persons heretofore named, and in the manner heretofore prescribed, notifying him or them that a survey of the premises named in the said notice will be made at the time and place therein named, which time may not be less than twenty-four hours nor more than three days from the time of the service of the said notice by three competent persons, each of whom shall be a practical builder or architect, and one of whom shall be the superintendent of buildings, or an inspector duly authorized by him, another of whom shall be an architect appointed by the New York chapter of the American Institute of Architects of said city, another of whom shall be appointed by the person or persons thus notified; upon whose neglect or refusal to appoint such surveyor, however, the said other two surveyors may make such survey; and in case of a disagreement shall appoint a third person to take part in such survey, who shall also be a pratical builder or architect, and the decision of the said surveyor shall be final; and that in case the said premises shall be reported unsafe or dangerous under such survey, the said report will be placed before a court therein named having jurisdiction to the extent of one thousand dollars, and that a trial upon the allegations and statements contained in said report, be the report of the said surveyors more or less than is contained in the notice mentioned in section five hundred and nine, will be had before said court, at a time and place therein named, to determine whether said unsafe or dangerous building or premises shall be repaired or secured, or taken down and removed, and a report of such survey, reduced to writing, shall constitute the issue to be placed before the court for trial. A copy of said report of survey shall be posted on the building by the persons holding the survey, immediately on their signing the same. The architect appointed by the New York chapter of the American Institute of Architects who may act on any survey called in accordance with the provisions of this title shall be entitled to and receive the sum of twenty-five dollars, to be paid on vouchers in the same manner as the fees of the board of examiners are now paid, as in this title specified, and the amount shall be collected by the attorney to the department from the owner of the building or structure, as part of expenses incurred, and as provided in section five hundred and eight of this act.

REPORT OF SURVEY TO BE SUBMITTED TO COURT. DECISION TO BE FINAL. EXECUTION OF PRECEPT. DISBURSEMENTS AND COSTS.

§ 511. (As amended by section 37, chapter 456, Laws of 1885.) Whenever the report of any such survey, had as aforesaid, shall recite that the building, premises, or structure thus surveyed are unsafe or dangerous, the attorney of the fire department in the city of New York shall, at the time in the said notice named,

place said notice and report before the judge or justice holding the chambers of the court in the said notice named, which said judge or justice shall immediately proceed to obtain and impanel a jury and to the trial of said issue before said jury, whose verdict shall be conclusive and final, and shall try said issue without adjournment, except as may be necessary from day to day, giving precedence to the trial of this issue over every other business; and said judge or justice shall have power to impanel a jury, for that purpose, from any jurors in attendance upon said court, or in case sufficient jurors shall not be in attendance, then from any jurors that may be summoned for that purpose; and said judge or justice shall have power to summon jurors for that purpose; and any such suit or proceedings commenced before a judge or justice may be continued before another judge or justice of the same court. A jury trial may be waived by the default of the defendant or defendants to appear at the time and place named in the said notice, or by agreement, and in such case the trial may be by court, judge, justice, or referee, whose report or decision in the matter shall be final; and upon the rendition of a verdict or decision of the court, judge, justice, or referee, if the said verdict or decision shall find the said building, premises, or structure to be unsafe or dangerous, the judge or justice trying said cause, or to whom the report of the referee trying said cause shall be presented, shall immediately issue a precept out of said court, directed to the superintendent of the bureau of inspection of buildings, reciting said verdict or decision, and commanding him forthwith to repair and secure or take down and remove, as the case may be, in accordance with said verdict or decision, said unsafe or dangerous building, buildings, part or parts thereof, staging, structure, or other premises that shall have been named in the said report; and said fire department shall immediately thereupon proceed to execute said precept as therein directed, and may employ such labor and assistance and furnish such materials as may be necessary for that purpose; and after having done so, said fire department shall make return of said precept, with an indorsement of its action thereunder, and the costs and expenses thereby incurred, to the judge or justice then holding the chambers of the said court, and thereupon said judge or justice shall tax and adjust the amount indorsed upon said precept, and shall adjust and allow disbursements and costs of said proceeding at and after the rate provided in the Code of Civil Procedure in that class of actions where judgment on failure to answer can only be taken on application to the court, together with the preliminary expenses of searches and surveys, which shall be inserted in the judgment in said action or proceeding, and shall render judgment for such amount, and for the sale of the said premises in the said notice named, together with all the right, title, and interest that the person or persons, or either of them, named in the said notice had in the lot, ground, or land upon which the said building or structure was placed, at the time of the filing of a notice of lis pendens in the said proceedings, or at the time of the entry of jugdment therein to satisfy the same, which shall be in the same manner and with like effect as sales under judgment in foreclosure of mortgages; and in and about all preliminary proceedings, as well as the carrying into effect any order of the court or any precept issued by any court, said board of fire commissioners may make requisition upon the comptroller of the city and county of New York for such amount or amounts of money as shall be necessary to meet the expenses thereof; and upon the same being approved by any judge or justice of the court from which the said order or precept was issued and presented to said comptroller, he shall pay the same, and for that purpose shall borrow and raise, upon the revenue bond, to be issued in the name of the mayor, aldermen, and commonalty of the said city, the several amounts that may from time to time be required, which shall be reimbursed by the payment of the amount and interest at six per cent out of the judgment or judgments obtained as aforesaid, if the same shall be collected. In case said issue shall not be tried at the time specified in said notice, or to which the trial may be adjourned, the same may be brought to trial at any time thereafter by said fire department, without a new servey, upon not less than three days' notice of trial to the person or persons upon whom the original notice was served, or to his or their attorney, which notice of trial may be served in the same manner as said original notice.

OWNER MAY PERFORM REQUIREMENTS OF PRECEPT.

§ 512. (As amended by section 38, chapter 456, Laws of 1885.) Provided, nevertheless, that immediately upon the issuing of said precept, the owner or owners of said building or premises, or any party interested therein, upon application to said superintendent of buildings, shall be allowed to perform the requirements of said precept at his or their own proper cost and expense, provided the same shall be done immediately and in accordance with the requirements of said precept, upon the payment of all costs and expenses incurred up to that time.

PROCEEDINGS IN CASE NOTICE IS NOT COMPLIED WITH.

§ 513. In case any notice or direction authorized to be issued by this title is not complied with within ten days after the service thereof, the fire department of the city of New York may, in its discretion, apply to the supreme court for the city and county of New York, at a special term thereof at chambers, for an order directing the fire department to proceed to make the alterations or remove the violation or violations, as the same may be specified in said notice or direction. Whenever any notice requiring fire escapes, alarms, or doors to be placed in or upon any building shall have been served as directed in this title, and the same shall not have been complied with within ten days after service thereof, the fire department of the city of New York may, in its discretion, apply to the supreme court of the city and county of New York, at a special term at chambers, for an order directing the fire department to vacate such building or premises, or so much thereof as said department may deem necessary, and prohibiting the same to be used or occupied for any purpose specified in said order until such notice shall have been complied with. The sum of twenty-five dollars shall be allowed as costs to the attorney of said department, under and by virtue of the said applications and proceedings, or either of them, which said amount, with all costs, expenses, and disbursements incurred in the carrying-out of any said order or orders, shall become a lien upon said building or premises named in the said notice from the time of filing of a copy of the said notice, with a notice of the proceedings taken thereunder, in the office of the clerk of the city and county of New York; and the said supreme court, or a judge or justice thereof, to whom application shall be made, is hereby authorized and directed to grant any of the orders above named, and to take such proceedings as shall be necessary to make the same effectual, and any said judge or justice to whom application shall be made is hereby authorized and directed to enforce such lien in accordance with the mechanics' lien law of the city of New York; and in case either of the notices hereinbefore mentioned shall be served upon any lessee or party in possession of the building or premises therein described, it shall be the duty of the person upon whom such service is made to give immediate notice to the owner or agent of said building named in the notice, if the same shall be known to the said person personally, if such person shall be within the limits of the city of New York, and his residence known to such person, and if not within said city, then by depositing a copy of said notice in the New York post-office, properly inclosed, and addressed to such owner or agent, at his then place of residence, if known, and by paying the postage thereon; and in case any lessee or party in possession shall neglect or refuse to give such notice as herein provided, he shall be personally liable to the owner or owners of said building or premises for all damages he or they shall sustain by reason thereof.

FIRE DEPARTMENT TO ENFORCE PROVISIONS OF TITLE. OFFICERS AND QUALIFICATIONS OF OFFICERS OF BUREAU OF INSPECTION OF BUILDINGS. SUPERINTENDENT MAY DESIGNATE INSPECTOR TO ACT.

§ 514. (As amended by section 39, chapter 456, Laws of 1885.) The fire department of the city of New York shall be and is hereby charged with the enforcement of the provisions of this title, through the bureau of inspection of buildings, and shall appoint all the officers thereof, namely: a superintendent, inspectors of

buildings, clerks and messengers, and assistants. The chief officer of said bureau shall be called the superintendent of buildings, and shall be a competent architect or builder of at least ten years' practice. The inspectors shall be competent men, either architects, masons, carpenters, or iron-workers, of good character, capable of writing a fair hand, and be able to make out with clearness their reports, and no person shall serve as or be appointed to office as an inspector in said bureau who is deficient in these qualifications, and before their appointment to office they shall pass an examination before the board of examiners, named in this title, who shall sign a certificate as to their competency to perform all the duties of said office. It shall not be lawful for any officer or employee in said bureau to be engaged in or interested in any contract or contracts for building or for furnishing materials for building. The superintendent of buildings shall be authorized to designate from time to time any of the inspectors to act on any survey authorized by this title, and authorize any of said inspectors to act as superintendent in cases of the absence of the superintendent through sickness or otherwise, under written instructions from said superintendent, which instructions shall be filed in the office with the chief clerk.

ATTORNEY TO THE FIRE DEPARTMENT. OFFICERS TO WEAR BADGES. INSPECTORS MAY BE DISMISSED.

§ 515. (As amended by section 40, chapter 456, Laws of 1885.) The attorney to the said fire department shall be authorized to sue for and collect all penalties, and take charge of and conduct all legal proceedings, imposed or provided for by this title (except those arising under section five hundred and one of this act); and all suits or proceedings instituted for the enforcement of any of the several provisions of the preceding sections of this title, or for the recovery of any penalty thereunder (except as above provided), shall be brought in the name of the fire department by the said attorney, to whom all notices of violation shall be returned for prosecution; and it shall be his duty to take charge of the prosecution of all such suits or proceedings, collect and receive all moneys that may be collected upon judgments, suits, or proceedings so instituted, or which may be paid by any parties who have violated any of the provisions of this title, and, upon settlement of judgment and removal of violations thereunder, execute satisfaction therefor, and shall, on the first day of each and every month, render to the fire commissioners and superintendent of buildings an account of, and pay over to said fire commissioners, all penalties and all other money, including costs received by him, together with his bill for all necessary disbursements incurred or paid in said suit, and said fire commissioners shall pay over monthly the amount of such penalties and costs so collected to the comptroller of the city of New York, as a fund for the use and benefits of the said department, for the purpose of carrying into effect any order or precept issued by any court, or judge or justice thereof, in this title named, to the said department upon the requisition of said board, such sum or sums as may be allowed and adjusted by the said court, or a judge or justice thereof, for such purpose, as far as the same may be in its hands.

All the officers appointed under this title shall, so far as may be necessary for the performance of their respective duties, have the right to enter during business hours any business building, or any building in process of construction, in said city. All such officers shall wear a suitable badge of office and show the same when exercising any of the powers upon them herein conferred.

The board of fire commissioners may at any time confer upon the superintendent of buildings power to dismiss any of the inspectors who may neglect his duty, or who may be found unfit from any cause to discharge the duties of the office.

OFFICERS OF BUREAU MAY ENTER BUILDINGS.

§ 516. The attorney of said fire department, and the officers, clerks, and messengers of the said bureau of inspection of buildings, shall perform such duties as they and each of them may be directed to do and perform by the board of fire commissioners. All the officers appointed under this title shall, so far as may be necessary for the performance of their respective duties, have the right to enter any building or premises in said city.

REPORT TO FIRE UNDERWRITERS.

§ 517. It shall be the duty of the fire department to report, on the first day of each month, to the New York board of fire underwriters of said city, all unsafe or dangerous buildings, and any information that he may deem important to said board.

LAWS OF NEW YORK.—By Authority.

[Every law, unless a different time shall be prescribed therein, shall commence and take effect throughout the State on and not before the twentieth day after the day of its final passage, as certified by the Secretary of State. Section 12, title 4, chap. 7, part 1, Revised Statutes.]

CHAP. 454.

An Act to Regulate the Height of Dwelling-houses in the City of New York.

Passed June 9, 1885; three-fifths being present.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. The height of all dwelling-houses and of all houses used or intended to be used as dwellings for more than one family, and hereafter to be erected in the city of New York, shall be regulated in proportion to the width of the streets and avenues upon which they front.

§ 2. Such height, measured from the sidewalk line and taken in all cases through the centre of the façade of the house to be erected, including attics, cornices, and mansards, shall not exceed seventy feet upon all streets and avenues not exceeding sixty feet in width, and eighty feet upon all streets and avenues exceeding sixty feet in width. Nothing in this act shall be construed as affecting buildings for which contracts have been signed prior to the passage of this act, or for which plans have been filed and approved by the building department.

§ 3. This act shall take effect immediately.

State of New York, }
Office of the Secretary of State, } ss.:

I have compared the preceding with the original law on file in this office, and do hereby certify that the same is a correct transcript therefrom and of the whole of said original law.

JOSEPH B. CARR,
Secretary of State.

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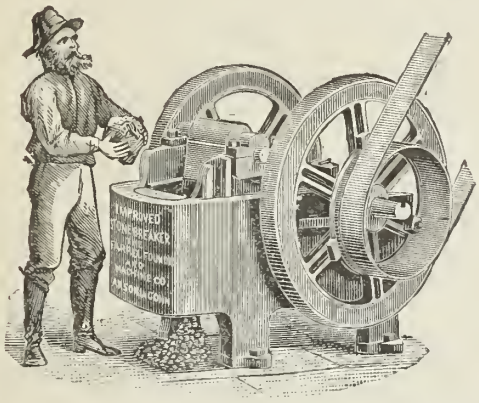

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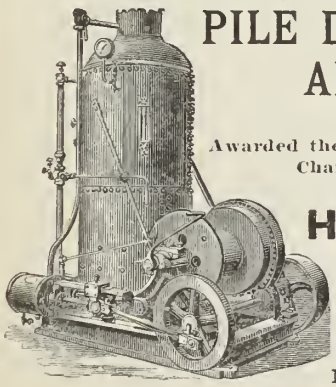

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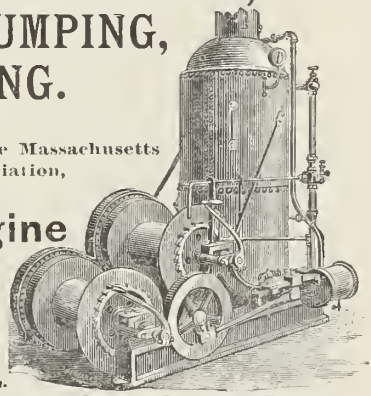

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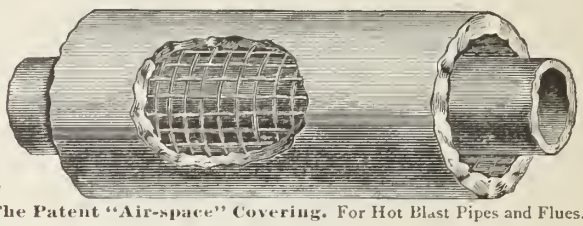

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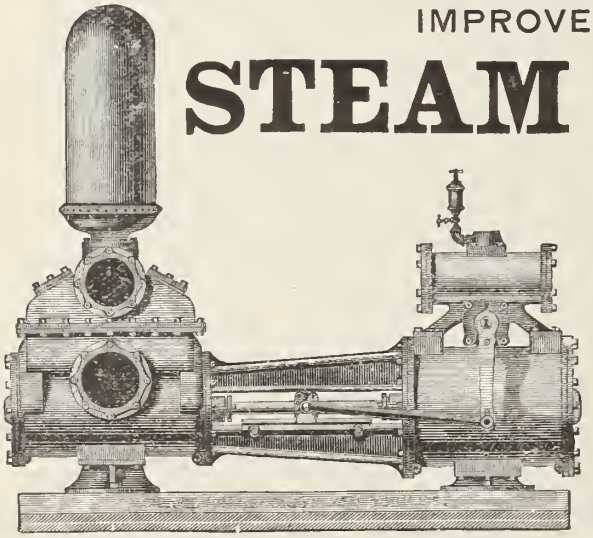

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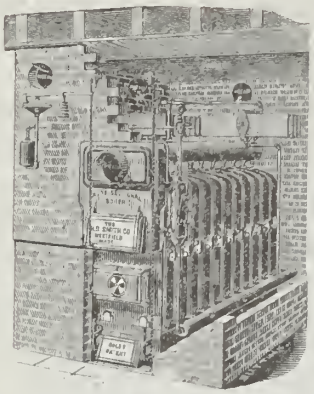

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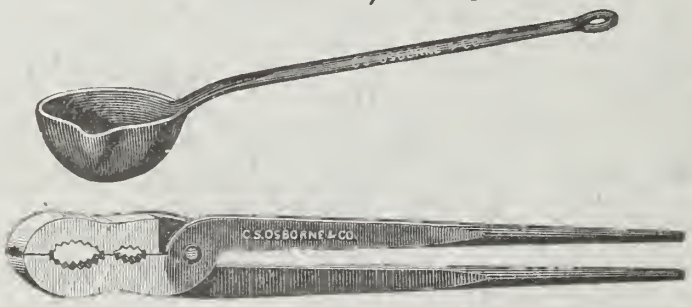

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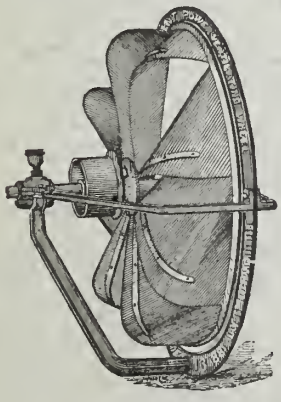

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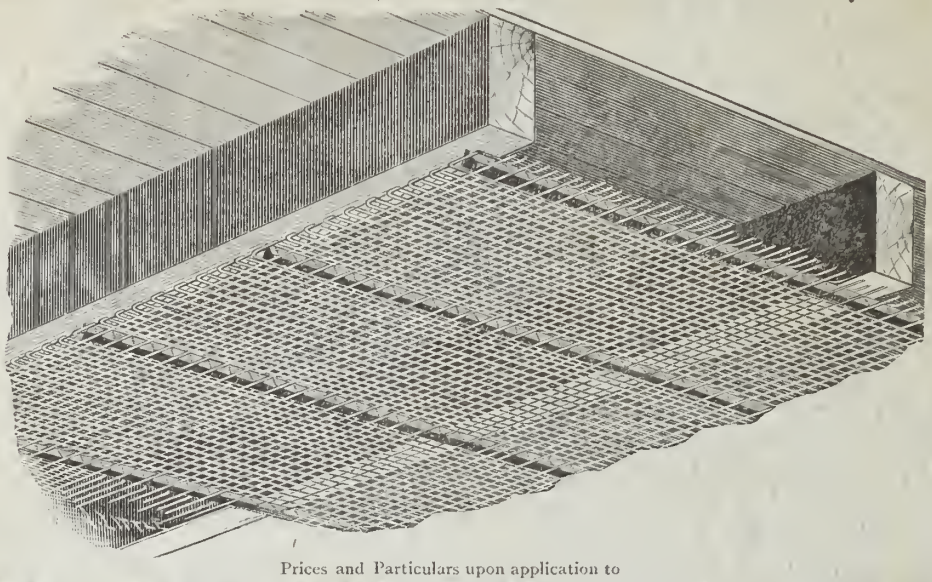

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